

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV050824\
 Data File : VV035554.D
 Acq On : 08 May 2024 08:57
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00g/10.0mL/MSVOA_V/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 09 01:15:12 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVLM050624SMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed May 08 02:24:43 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.529	114	424931	25.000	ug/L	0.00
28) Chlorobenzene-d5	8.783	117	431914	25.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.182	152	250575	25.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.275	65	137035	20.865	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.440%
7) Chloroethane-d5	1.529	69	115920	21.878	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.520%
11) 1,1-Dichloroethene-d2	2.053	65	61911	21.292	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	85.160%
21) 2-Butanone-d5	3.844	46	40499	21.728	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	43.460%
24) Chloroform-d	4.243	84	287625	22.768	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.080%
26) 1,2-Dichloroethane-d4	4.937	65	135881	21.757	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	87.040%
32) Benzene-d6	4.953	84	529420	22.392	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.560%
36) 1,2-Dichloropropane-d6	5.982	67	162638	22.290	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	89.160%
41) Toluene-d8	7.240	98	478824	22.756	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.040%
43) trans-1,3-Dichloroprop...	7.551	79	70056	22.451	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	89.800%
47) 2-Hexanone-d5	8.031	63	56318	42.925	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	85.860%
56) 1,1,2,2-Tetrachloroeth...	10.149	84	158772	22.582	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.320%
66) 1,2-Dichlorobenzene-d4	11.558	152	183978	21.156	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	84.640%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.105	85	224353	25.969	ug/L	100
3) Chloromethane	1.211	50	206123	23.764	ug/L	99
5) Vinyl chloride	1.278	62	233031	26.005	ug/L	99
6) Bromomethane	1.484	94	141515	24.941	ug/L	100
8) Chloroethane	1.545	64	145699	26.376	ug/L	99
9) Trichlorofluoromethane	1.709	101	323904	27.692	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.063	101	211365	28.641	ug/L	100
12) 1,1-Dichloroethene	2.063	96	180221	27.037	ug/L	95
13) Acetone	2.156	43	104969	38.472	ug/L	97
14) Carbon disulfide	2.233	76	497022	23.541	ug/L	99
15) Methyl Acetate	2.384	43	83097	20.102	ug/L	95
16) Methylene chloride	2.442	84	215242	21.966	ug/L	97
17) trans-1,2-Dichloroethene	2.687	96	196529	26.558	ug/L	97
18) Methyl tert-butyl Ether	2.700	73	476120	26.673	ug/L	99
19) 1,1-Dichloroethane	3.105	63	383619	27.652	ug/L	99
20) cis-1,2-Dichloroethene	3.809	96	212010	26.428	ug/L	97
22) 2-Butanone	3.912	43	99771	39.376	ug/L	# 68
23) Bromochloromethane	4.143	128	103456	26.664	ug/L	95
25) Chloroform	4.269	83	394427	27.533	ug/L	98

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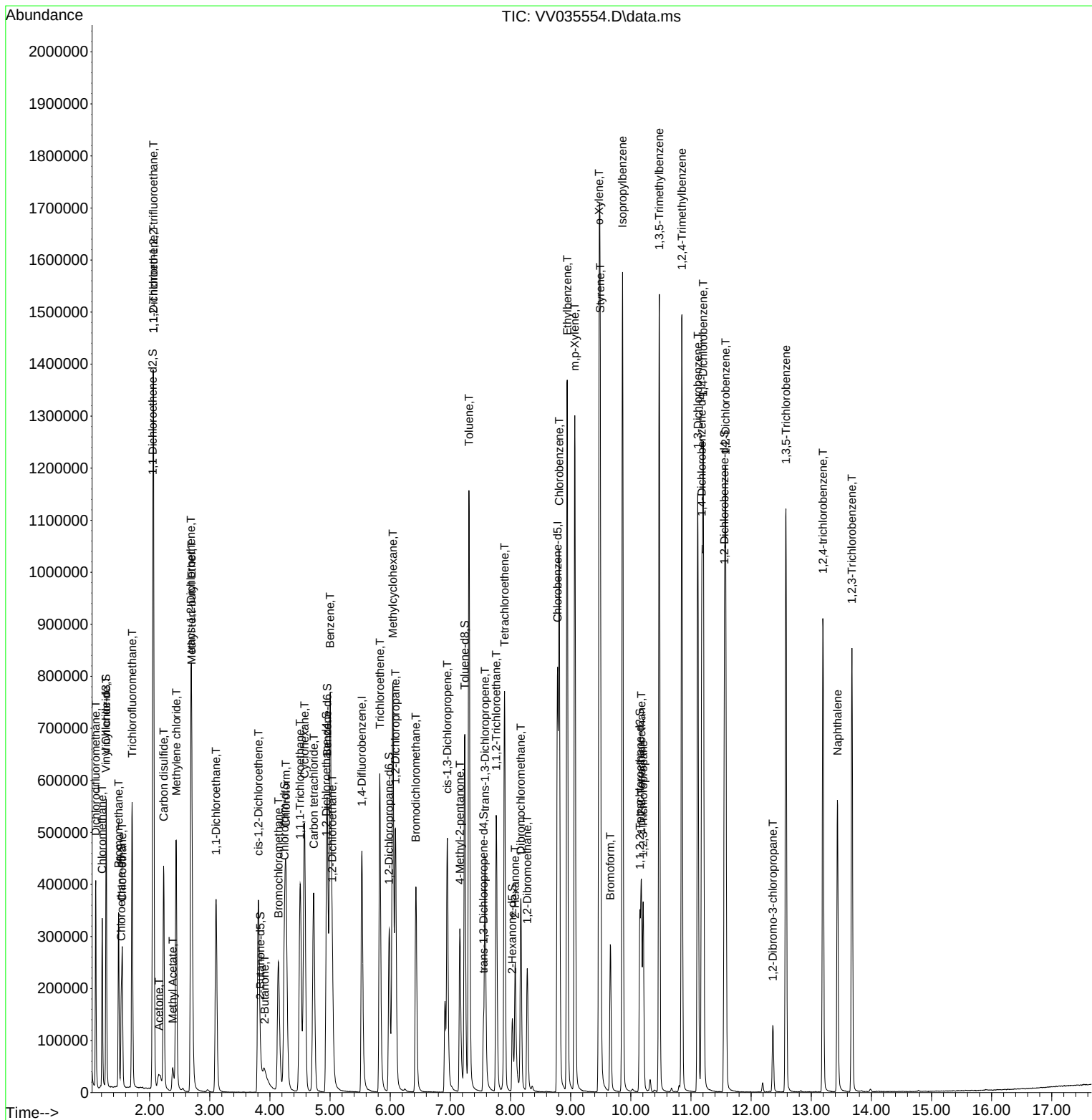
Instrument :
 MSVOA_V
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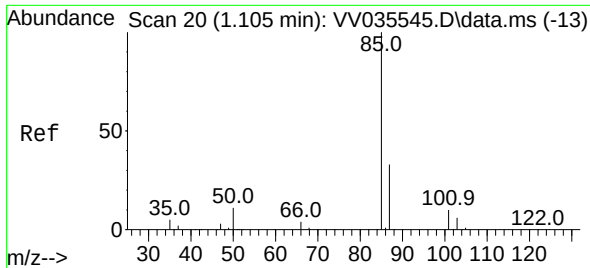
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.037	62	235472	26.396	ug/L	100
29) Cyclohexane	4.574	56	287346	27.820	ug/L	100
30) 1,1,1-Trichloroethane	4.503	97	344597	28.774	ug/L	99
31) Carbon tetrachloride	4.728	117	306666	29.185	ug/L	99
33) Benzene	5.002	78	806279	28.206	ug/L	100
34) Trichloroethene	5.828	95	224950	27.820	ug/L	97
35) Methylcyclohexane	6.043	83	343251	27.961	ug/L	99
37) 1,2-Dichloropropane	6.088	63	211930	28.416	ug/L	99
38) Bromodichloromethane	6.426	83	283989	28.109	ug/L	99
39) cis-1,3-Dichloropropene	6.950	75	323570	27.739	ug/L	99
40) 4-Methyl-2-pentanone	7.159	43	226757	50.767	ug/L	98
42) Toluene	7.310	91	869679	28.748	ug/L	100
44) trans-1,3-Dichloropropene	7.577	75	278588	27.301	ug/L	100
45) 1,1,2-Trichloroethane	7.764	97	172676	27.249	ug/L	99
46) Tetrachloroethene	7.902	164	182011	27.707	ug/L	99
48) 2-Hexanone	8.079	43	160170	47.827	ug/L	98
49) Dibromochloromethane	8.172	129	196732	27.514	ug/L	99
50) 1,2-Dibromoethane	8.278	107	165270	26.474	ug/L	97
51) Chlorobenzene	8.809	112	568633	27.090	ug/L	98
52) Ethylbenzene	8.944	91	967792	28.975	ug/L	100
53) m,p-Xylene	9.069	106	367594	29.008	ug/L	98
54) o-Xylene	9.474	106	350872	29.214	ug/L	100
55) Styrene	9.493	104	625187	29.845	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.175	83	201955	26.163	ug/L	100
59) Bromoform	9.661	173	131093	26.621	ug/L	99
60) Isopropylbenzene	9.863	105	987127	29.574	ug/L	100
61) 1,2,3-Trichloropropane	10.207	75	149174	25.405	ug/L	100
62) 1,3,5-Trimethylbenzene	10.474	105	796640	30.424	ug/L	99
63) 1,2,4-Trimethylbenzene	10.850	105	787680	29.273	ug/L	99
64) 1,3-Dichlorobenzene	11.114	146	478084	27.293	ug/L	99
65) 1,4-Dichlorobenzene	11.204	146	484586	26.722	ug/L	99
67) 1,2-Dichlorobenzene	11.577	146	437658	26.542	ug/L	100
68) 1,2-Dibromo-3-chloropr...	12.362	75	33689	24.739	ug/L	97
69) 1,3,5-Trichlorobenzene	12.580	180	362941	26.514	ug/L	100
70) 1,2,4-trichlorobenzene	13.194	180	292554	25.595	ug/L	100
71) Naphthalene	13.435	128	451618	22.507	ug/L	100
72) 1,2,3-Trichlorobenzene	13.677	180	262047	25.485	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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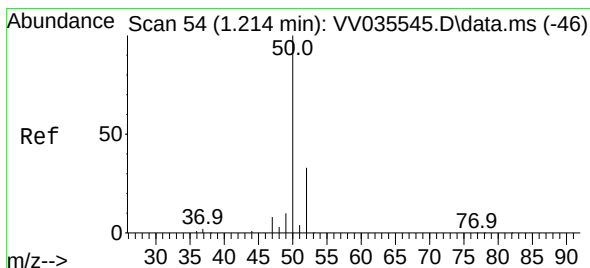
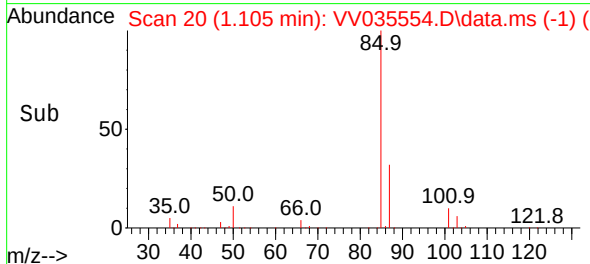
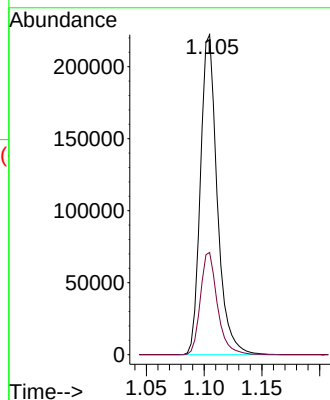
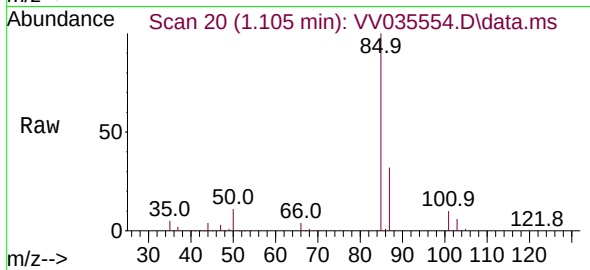




#2
 Dichlorodifluoromethane
 Concen: 25.969 ug/L
 RT: 1.105 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VV035554.D
 Acq: 08 May 2024 08:57

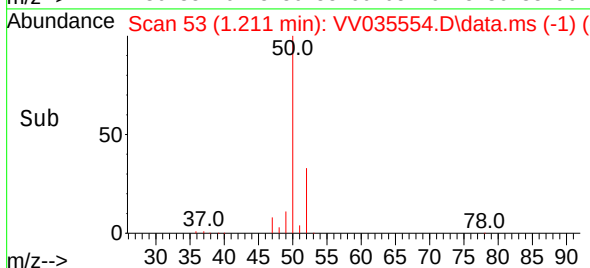
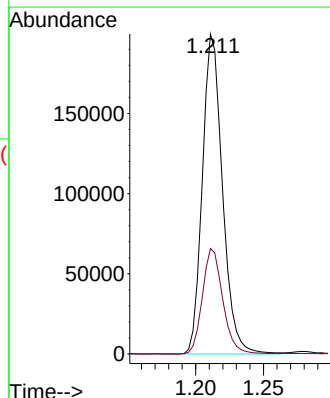
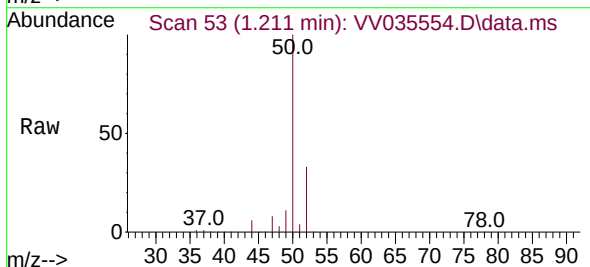
Instrument :
 MSVOA_V
 ClientSampleId :

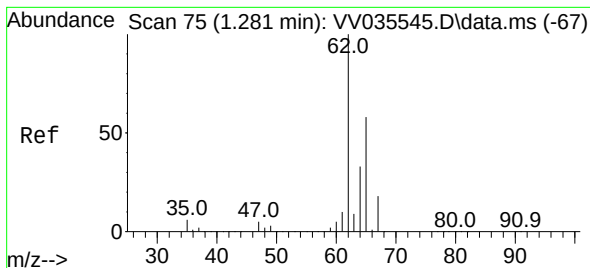
Tgt Ion: 85 Resp: 224353
 Ion Ratio Lower Upper
 85 100
 87 32.3 25.8 38.6



#3
 Chloromethane
 Concen: 23.764 ug/L
 RT: 1.211 min Scan# 53
 Delta R.T. -0.003 min
 Lab File: VV035554.D
 Acq: 08 May 2024 08:57

Tgt Ion: 50 Resp: 206123
 Ion Ratio Lower Upper
 50 100
 52 32.9 22.7 42.1





#5

Vinyl chloride

Concen: 26.005 ug/L

RT: 1.278 min Scan# 74

Delta R.T. -0.003 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

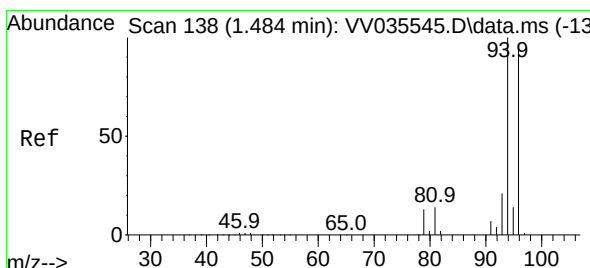
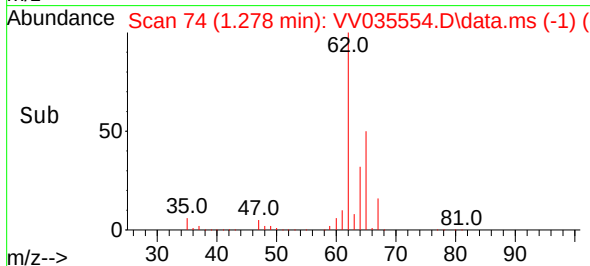
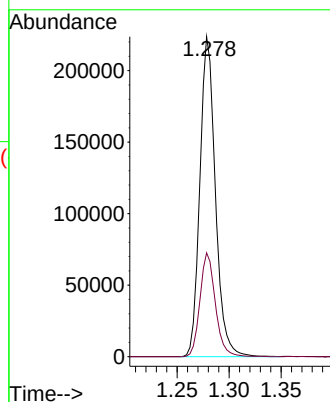
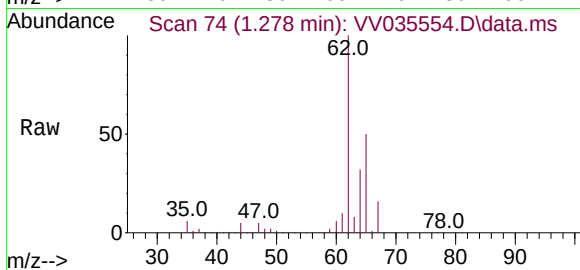
ClientSampleId :

Tgt Ion: 62 Resp: 233031

Ion Ratio Lower Upper

62 100

64 32.4 23.0 42.6



#6

Bromomethane

Concen: 24.941 ug/L

RT: 1.484 min Scan# 138

Delta R.T. 0.000 min

Lab File: VV035554.D

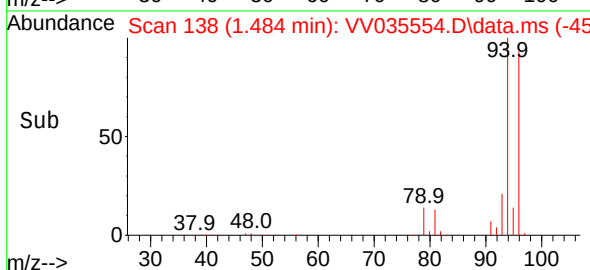
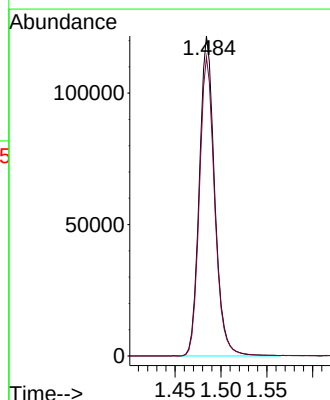
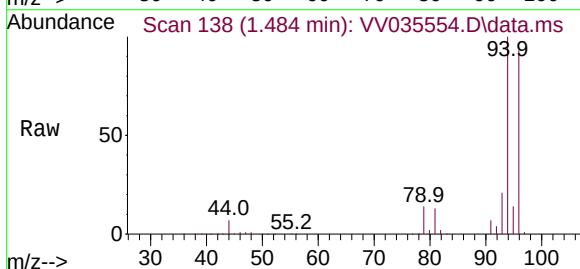
Acq: 08 May 2024 08:57

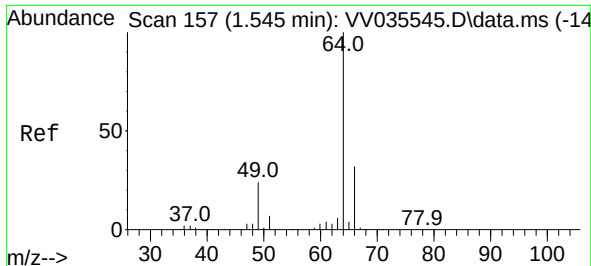
Tgt Ion: 94 Resp: 141515

Ion Ratio Lower Upper

94 100

96 93.4 65.2 121.0

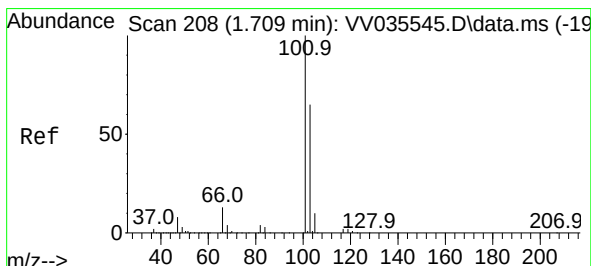
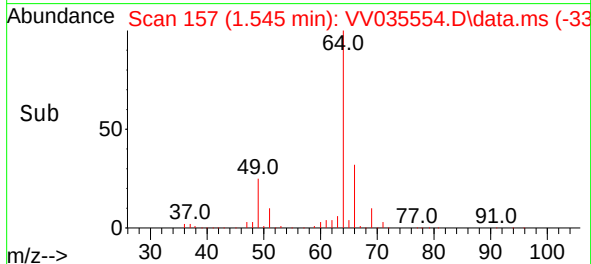
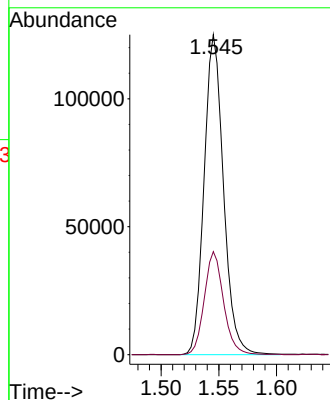
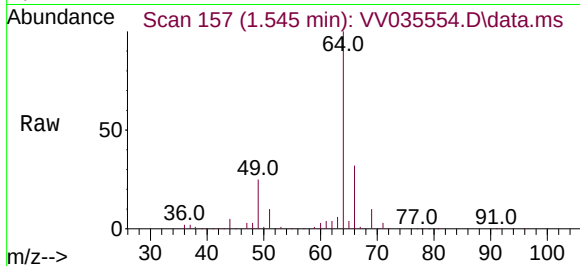




#8
Chloroethane
Concen: 26.376 ug/L
RT: 1.545 min Scan# 157
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

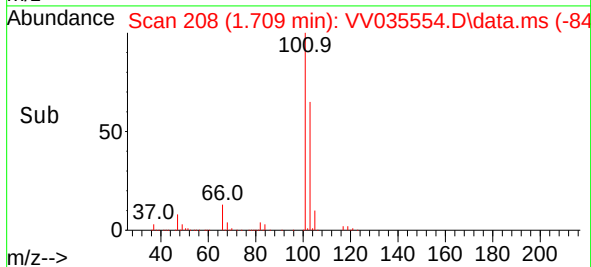
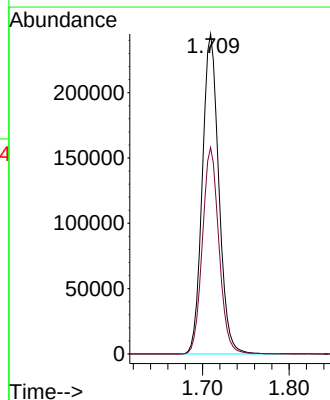
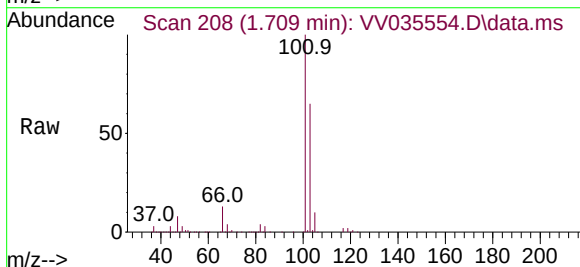
Instrument :
MSVOA_V
ClientSampleId :

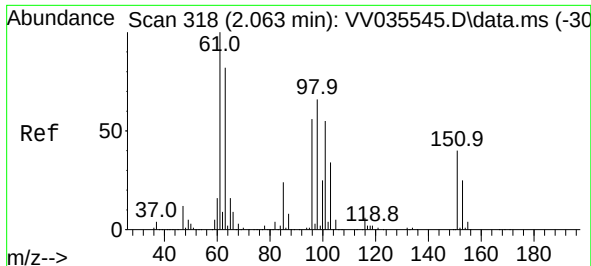
Tgt Ion: 64 Resp: 145699
Ion Ratio Lower Upper
64 100
66 32.2 22.0 40.8



#9
Trichlorofluoromethane
Concen: 27.692 ug/L
RT: 1.709 min Scan# 208
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

Tgt Ion:101 Resp: 323904
Ion Ratio Lower Upper
101 100
103 64.7 51.5 77.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 28.641 ug/L

RT: 2.063 min Scan# 318

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

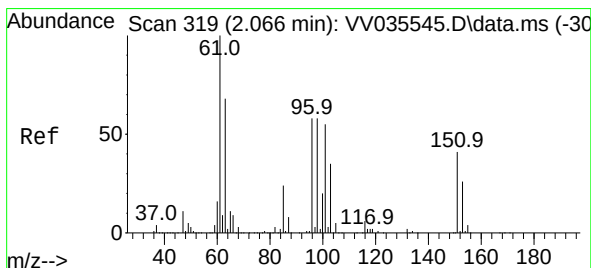
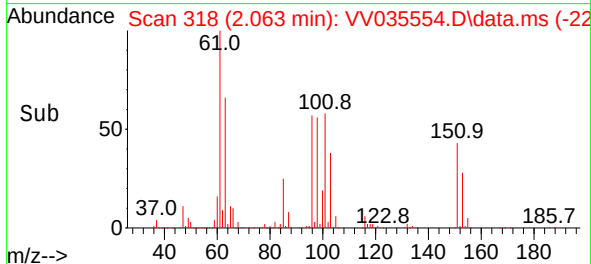
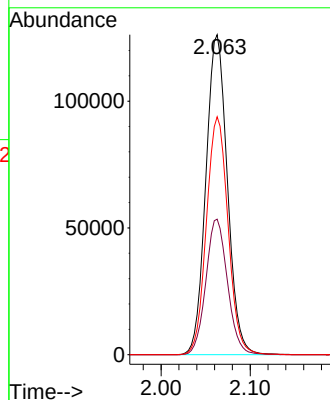
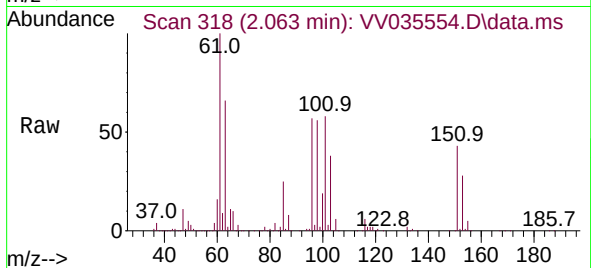
Tgt Ion:101 Resp: 211365

Ion Ratio Lower Upper

101 100

85 42.6 34.2 51.4

151 74.9 59.5 89.3



#12

1,1-Dichloroethene

Concen: 27.037 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.003 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

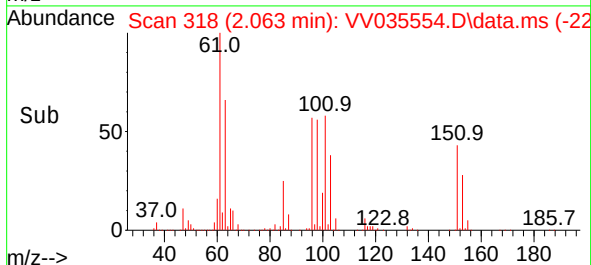
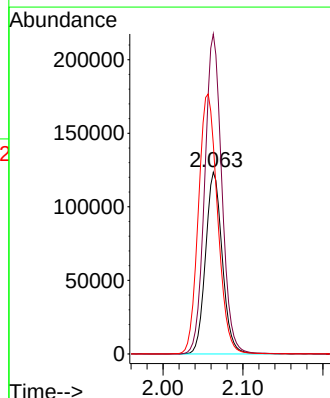
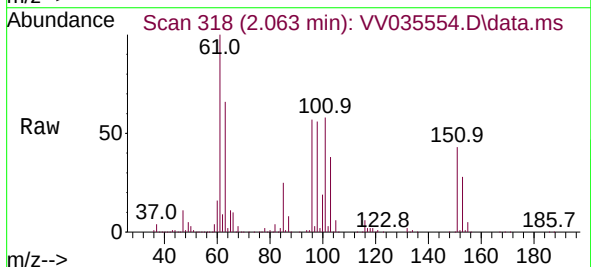
Tgt Ion: 96 Resp: 180221

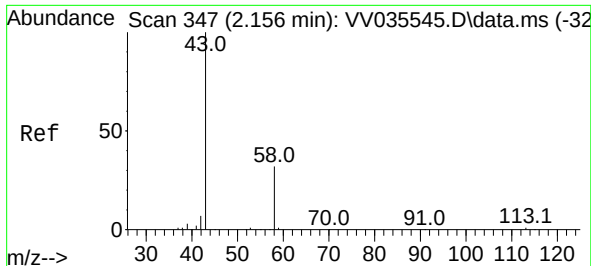
Ion Ratio Lower Upper

96 100

61 176.1 119.8 222.4

63 115.5 75.6 140.4





#13

Acetone

Concen: 38.472 ug/L

RT: 2.156 min Scan# 347

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

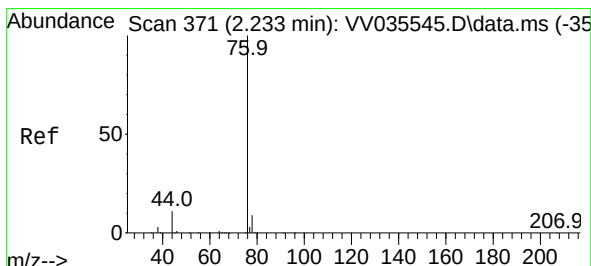
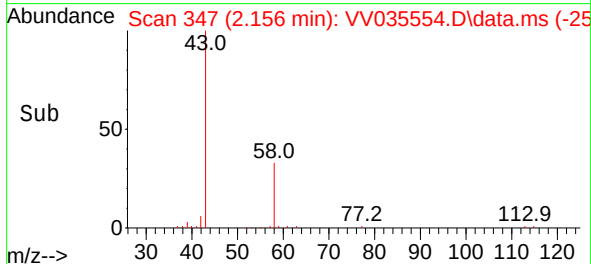
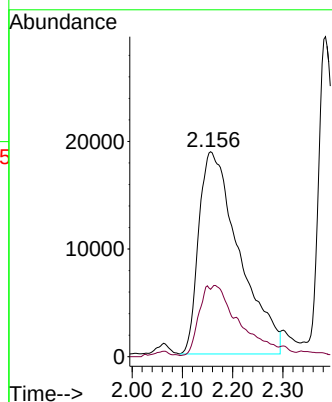
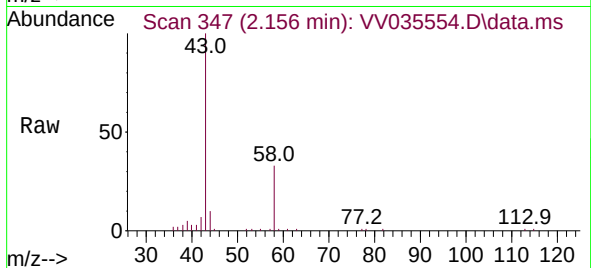
ClientSampleId :

Tgt Ion: 43 Resp: 104969

Ion Ratio Lower Upper

43 100

58 10.3 0.0 22.8



#14

Carbon disulfide

Concen: 23.541 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.000 min

Lab File: VV035554.D

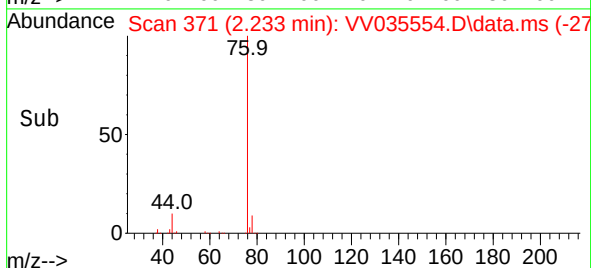
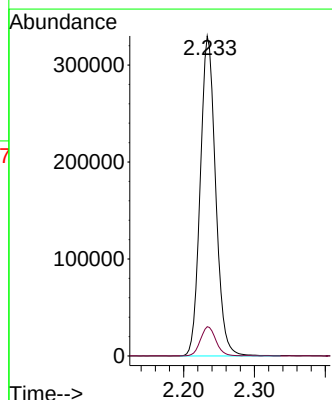
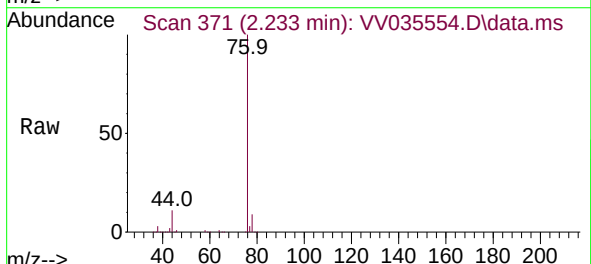
Acq: 08 May 2024 08:57

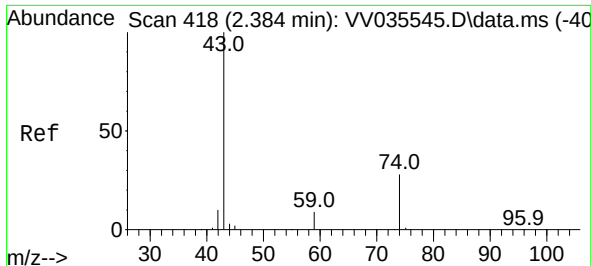
Tgt Ion: 76 Resp: 497022

Ion Ratio Lower Upper

76 100

78 9.1 7.5 11.3





#15

Methyl Acetate

Concen: 20.102 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

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Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

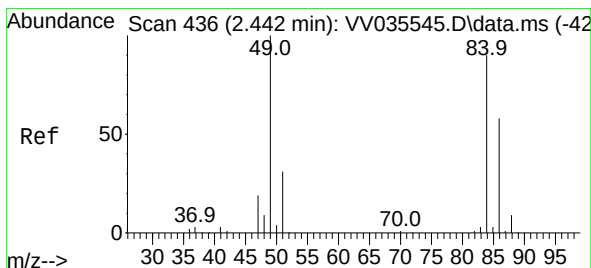
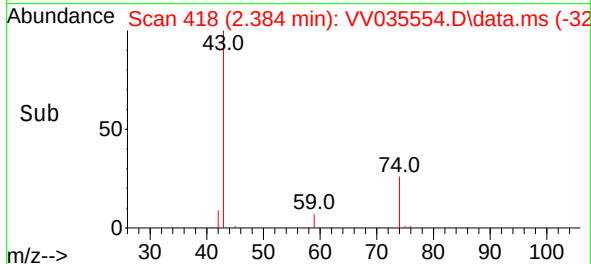
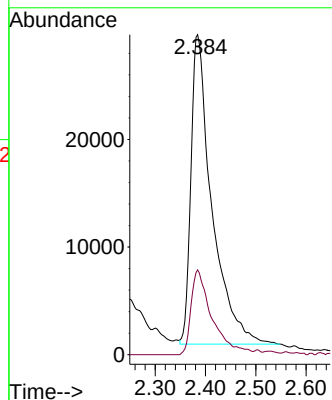
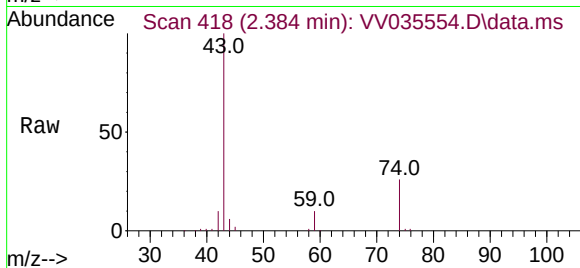
ClientSampleId :

Tgt Ion: 43 Resp: 83097

Ion Ratio Lower Upper

43 100

74 25.8 18.6 27.8



#16

Methylene chloride

Concen: 21.966 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

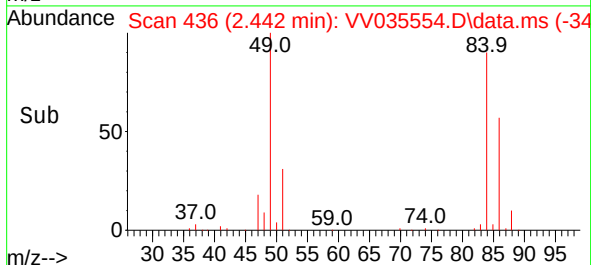
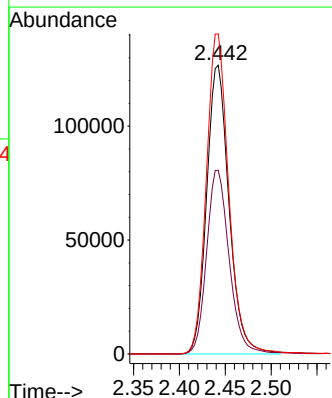
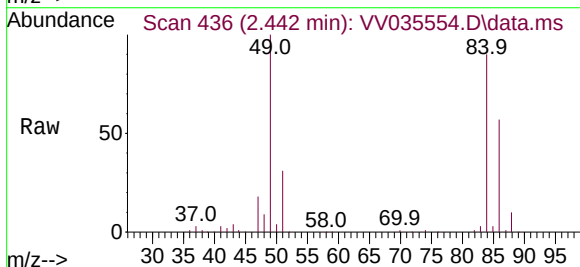
Tgt Ion: 84 Resp: 215242

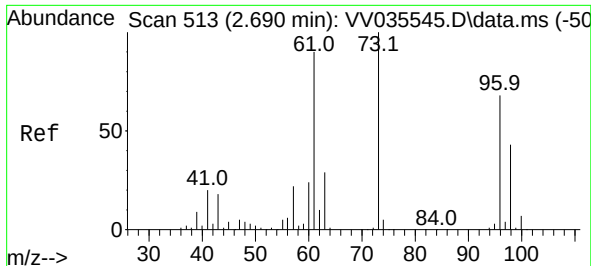
Ion Ratio Lower Upper

84 100

86 63.6 43.8 81.3

49 110.8 75.3 139.9





#17

trans-1,2-Dichloroethene

Concen: 26.558 ug/L

RT: 2.687 min Scan# 513

Delta R.T. -0.003 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

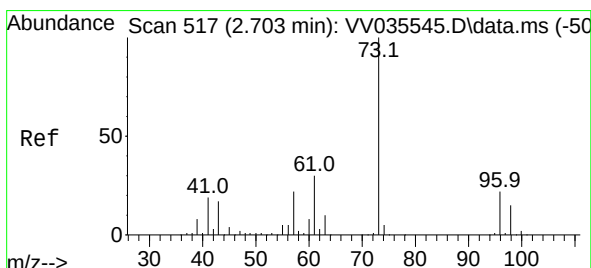
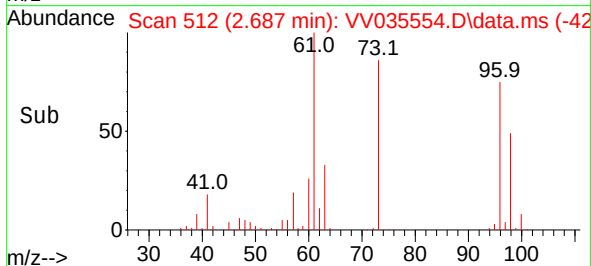
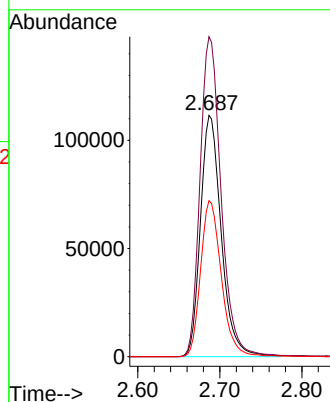
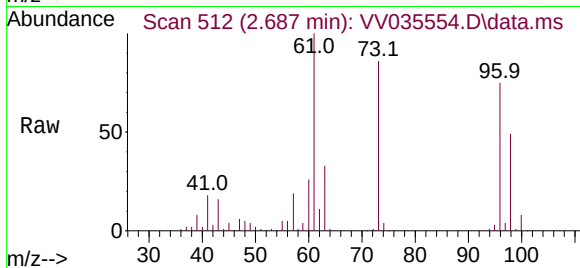
Tgt Ion: 96 Resp: 196529

Ion Ratio Lower Upper

96 100

61 132.6 95.5 177.4

98 64.7 46.0 85.4



#18

Methyl tert-butyl Ether

Concen: 26.673 ug/L

RT: 2.700 min Scan# 516

Delta R.T. -0.003 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

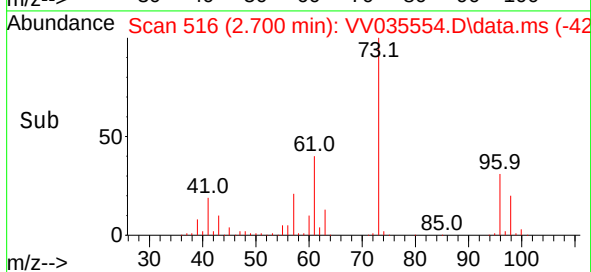
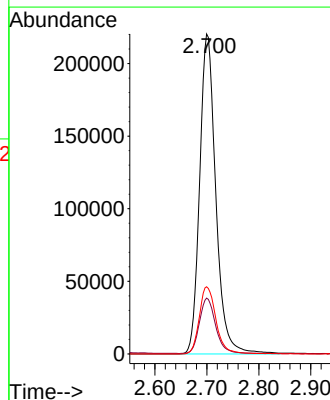
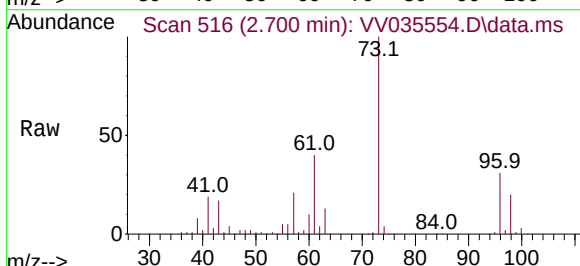
Tgt Ion: 73 Resp: 476120

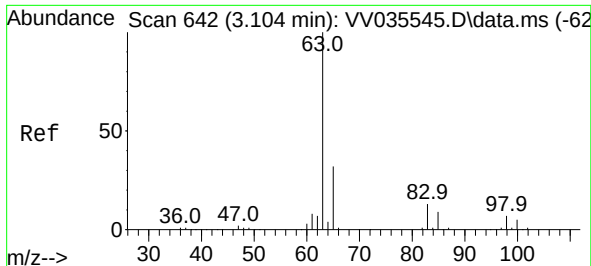
Ion Ratio Lower Upper

73 100

43 17.2 13.3 19.9

57 21.5 17.4 26.2





#19

1,1-Dichloroethane

Concen: 27.652 ug/L

RT: 3.105 min Scan# 642

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

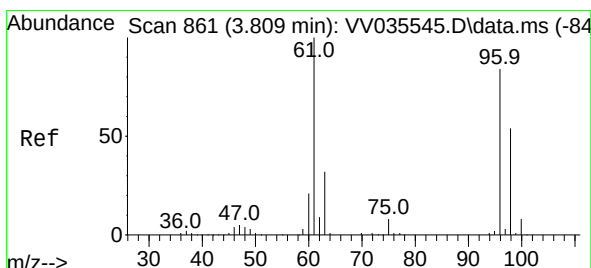
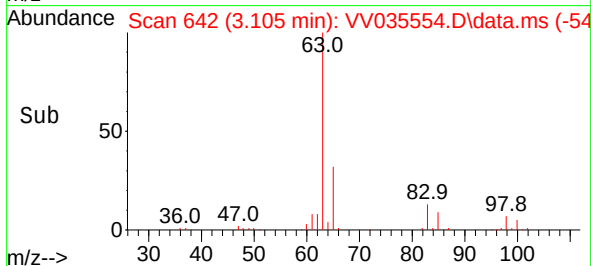
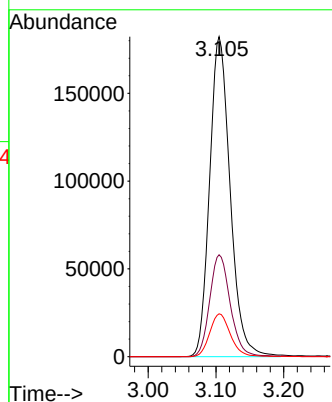
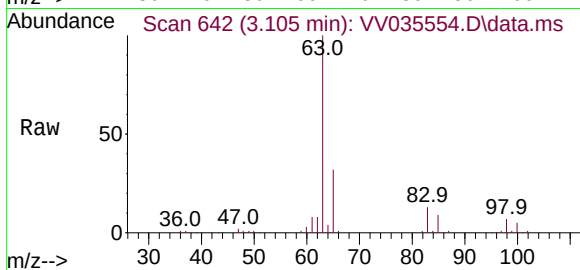
Tgt Ion: 63 Resp: 383619

Ion Ratio Lower Upper

63 100

65 31.9 22.7 42.3

83 13.4 9.7 17.9



#20

cis-1,2-Dichloroethene

Concen: 26.428 ug/L

RT: 3.809 min Scan# 861

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

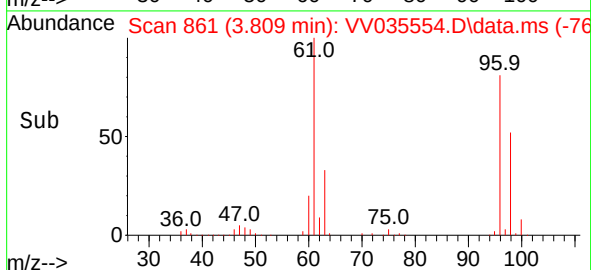
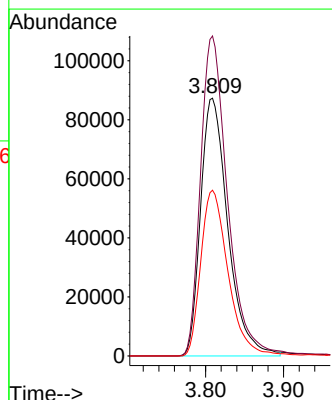
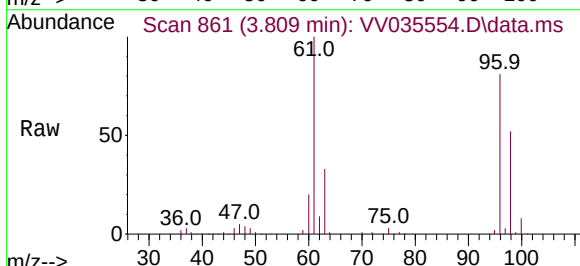
Tgt Ion: 96 Resp: 212010

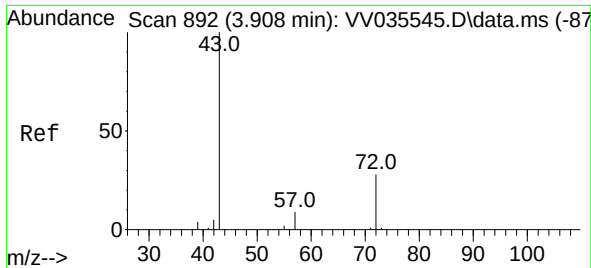
Ion Ratio Lower Upper

96 100

61 124.1 83.9 155.9

98 64.3 44.0 81.8

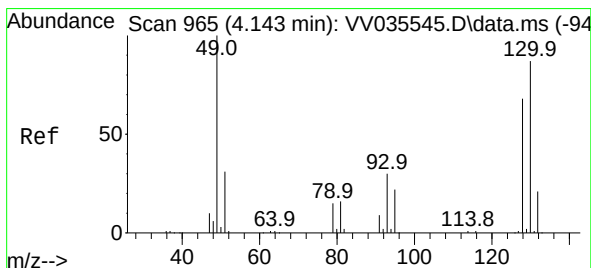
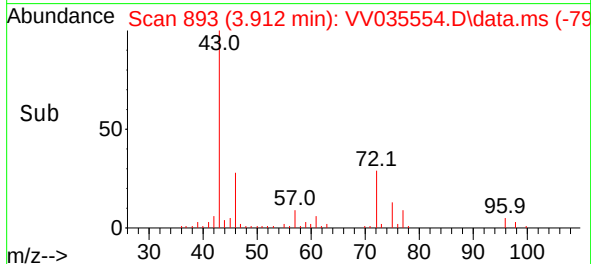
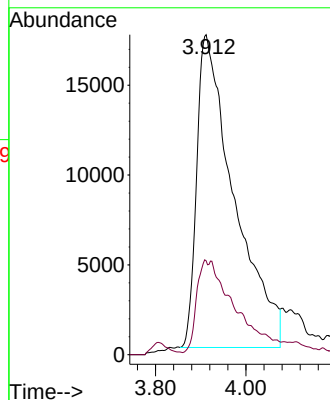
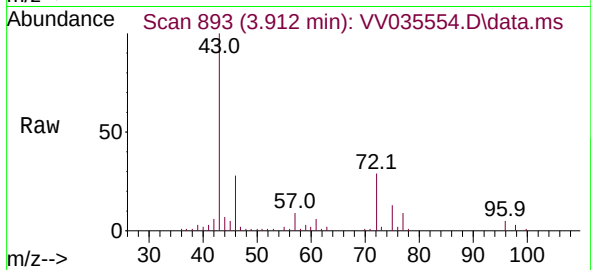




#22
2-Butanone
Concen: 39.376 ug/L
RT: 3.912 min Scan# 892
Delta R.T. 0.003 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

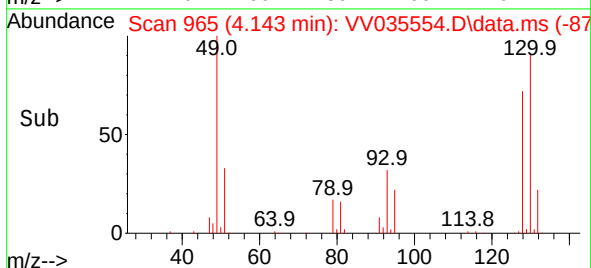
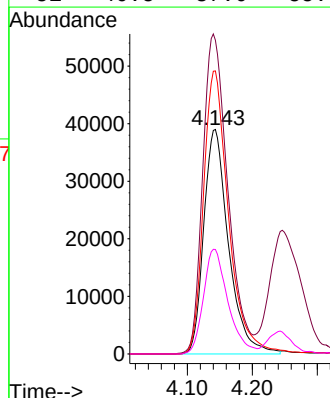
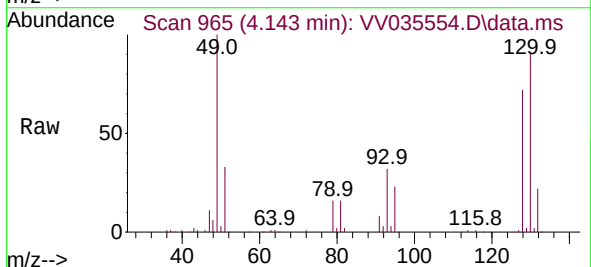
Instrument :
MSVOA_V
ClientSampleId :

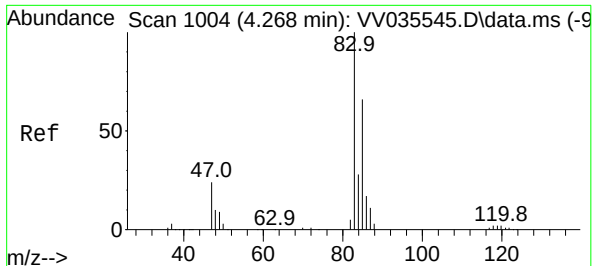
Tgt Ion: 43 Resp: 99771
Ion Ratio Lower Upper
43 100
72 8.7 12.3 36.9#



#23
Bromochloromethane
Concen: 26.664 ug/L
RT: 4.143 min Scan# 965
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

Tgt Ion:128 Resp: 103456
Ion Ratio Lower Upper
128 100
49 139.7 103.1 191.5
130 126.1 91.8 170.4
51 46.5 37.0 55.4





#25

Chloroform

Concen: 27.533 ug/L

RT: 4.269 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

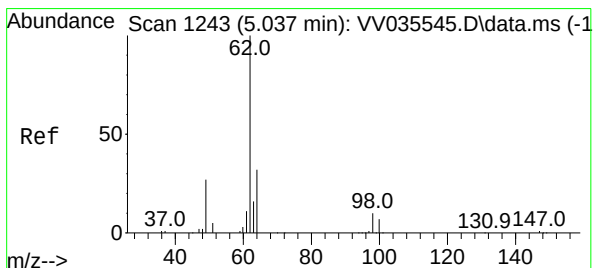
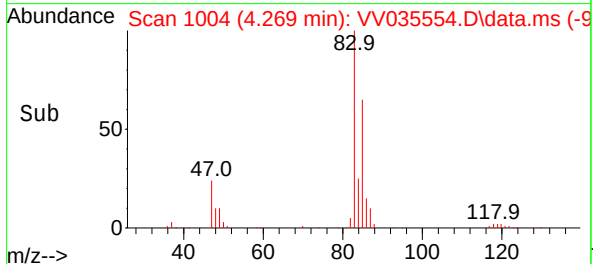
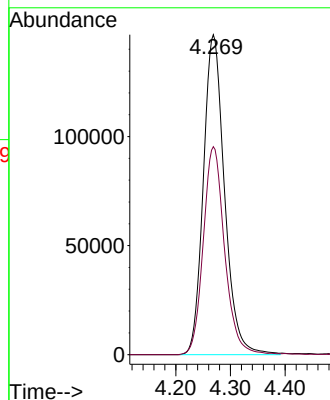
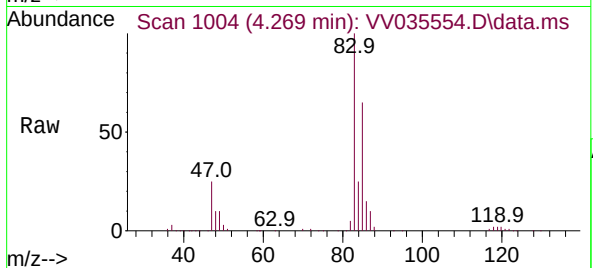
ClientSampleId :

Tgt Ion: 83 Resp: 394427

Ion Ratio Lower Upper

83 100

85 65.0 44.7 82.9



#27

1,2-Dichloroethane

Concen: 26.396 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV035554.D

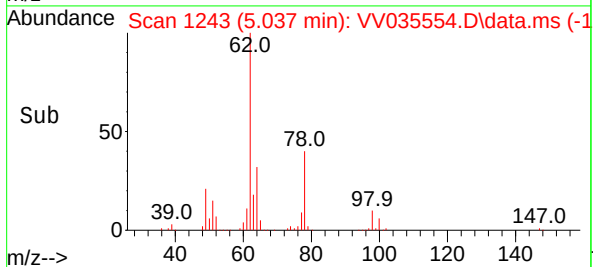
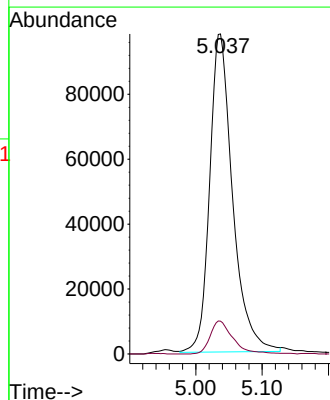
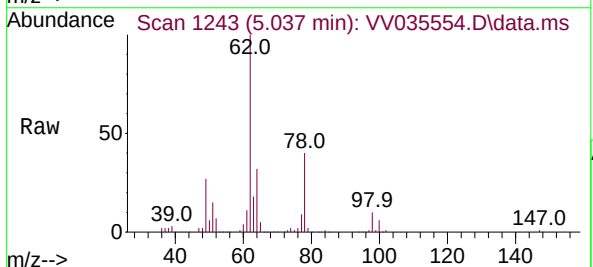
Acq: 08 May 2024 08:57

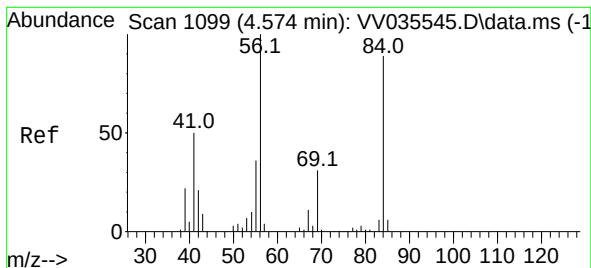
Tgt Ion: 62 Resp: 235472

Ion Ratio Lower Upper

62 100

98 10.3 8.2 12.2





#29

Cyclohexane

Concen: 27.820 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

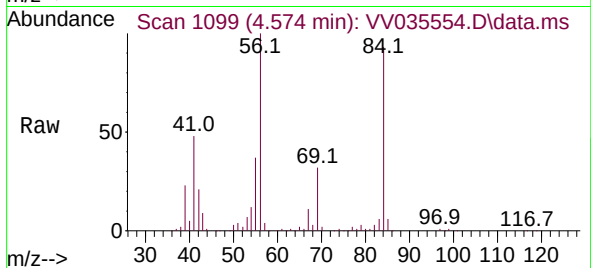
Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :



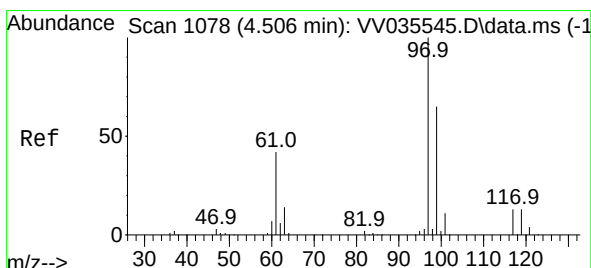
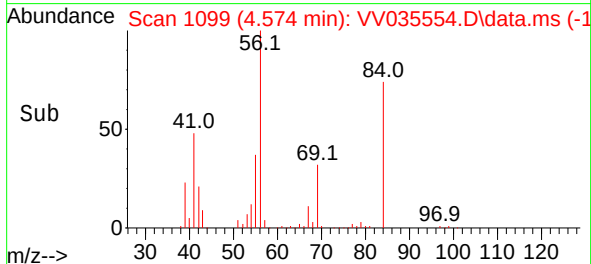
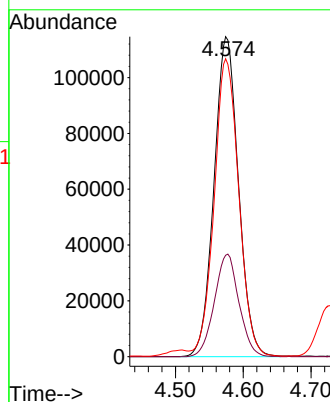
Tgt Ion: 56 Resp: 287346

Ion Ratio Lower Upper

56 100

69 32.1 25.6 38.4

84 93.4 74.8 112.2



#30

1,1,1-Trichloroethane

Concen: 28.774 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. -0.003 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

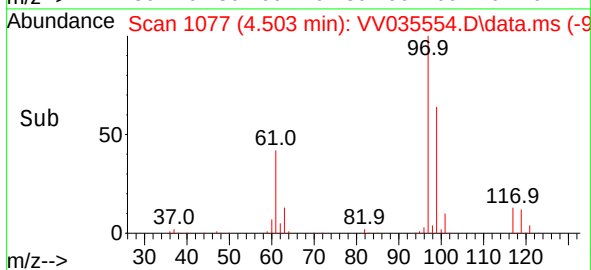
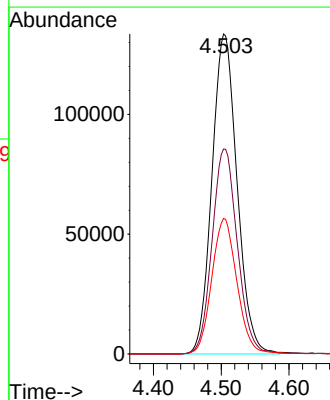
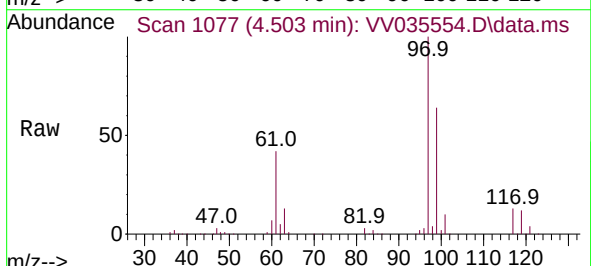
Tgt Ion: 97 Resp: 344597

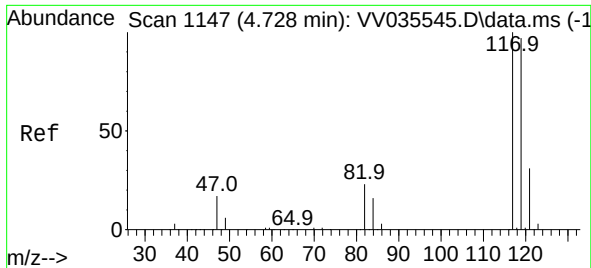
Ion Ratio Lower Upper

97 100

99 64.4 51.7 77.5

61 42.5 33.5 50.3

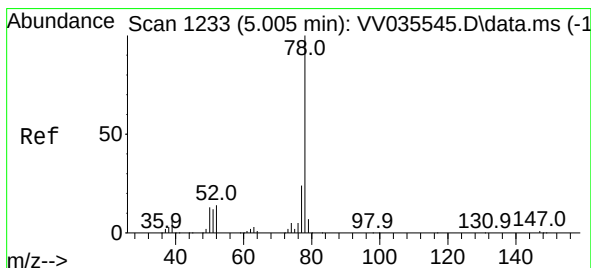
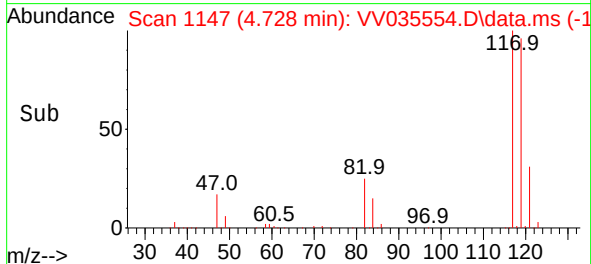
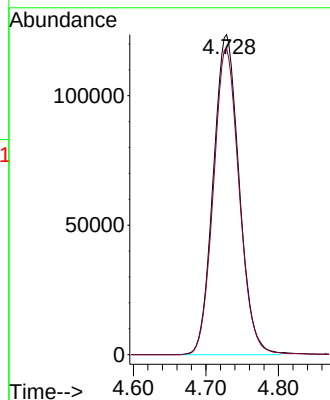
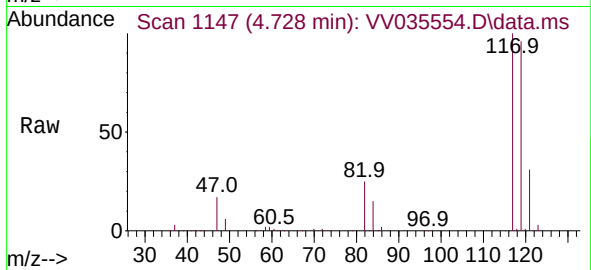




#31
Carbon tetrachloride
Concen: 29.185 ug/L
RT: 4.728 min Scan# 1147
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

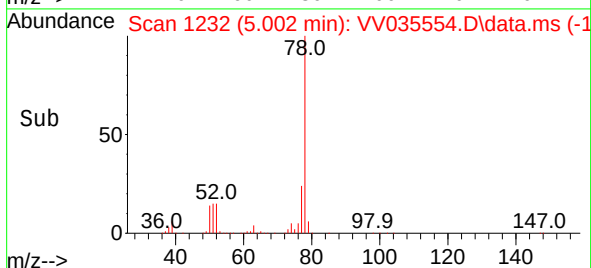
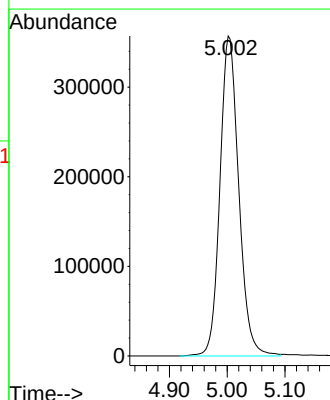
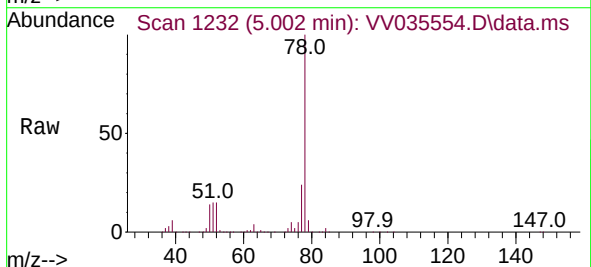
Instrument :
MSVOA_V
ClientSampleId :

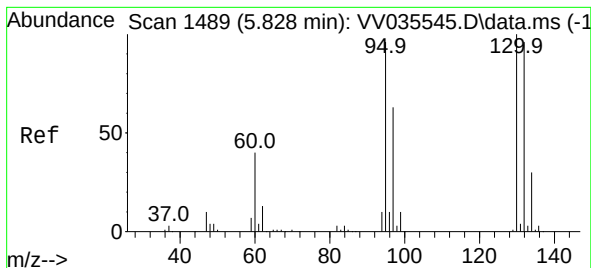
Tgt Ion:117 Resp: 306666
Ion Ratio Lower Upper
117 100
119 95.2 77.3 115.9



#33
Benzene
Concen: 28.206 ug/L
RT: 5.002 min Scan# 1232
Delta R.T. -0.003 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

Tgt Ion: 78 Resp: 806279





#34

Trichloroethene

Concen: 27.820 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

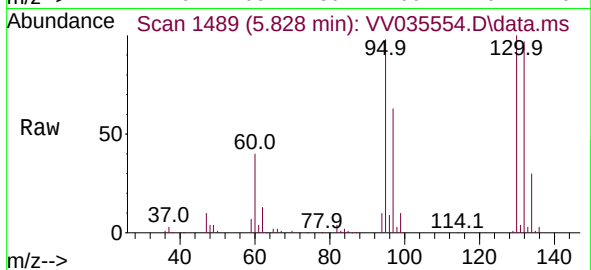
Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion: 95 Resp: 224950

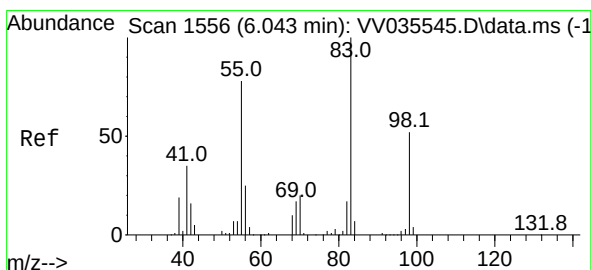
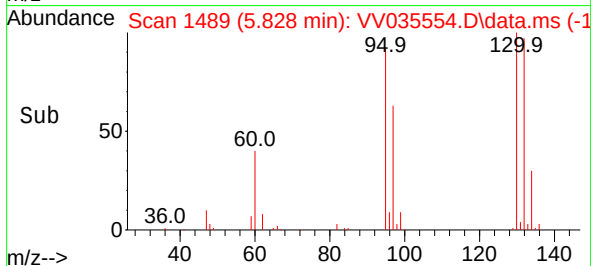
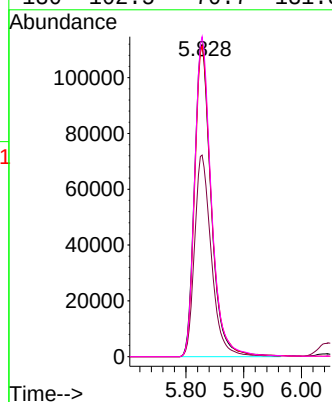
Ion Ratio Lower Upper

95 100

97 64.6 43.8 81.4

132 99.6 67.1 124.7

130 102.5 70.7 131.3



#35

Methylcyclohexane

Concen: 27.961 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

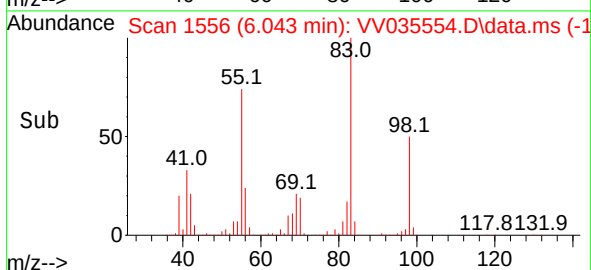
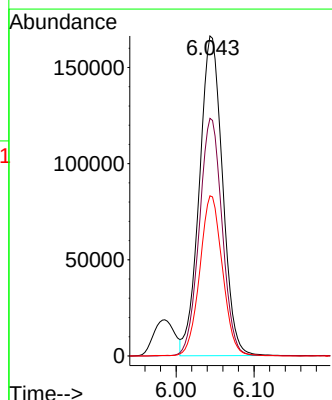
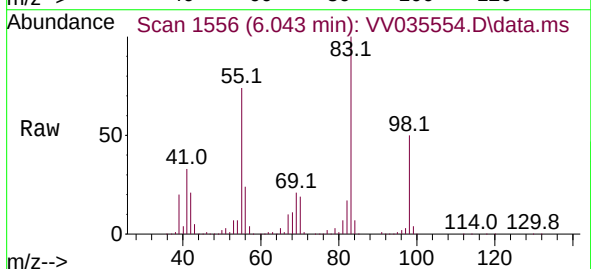
Tgt Ion: 83 Resp: 343251

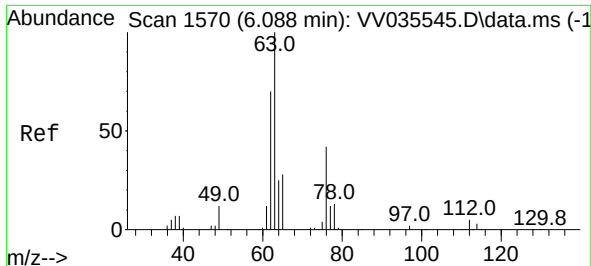
Ion Ratio Lower Upper

83 100

55 73.4 57.5 86.3

98 49.0 38.6 58.0





#37

1,2-Dichloropropane

Concen: 28.416 ug/L

RT: 6.088 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV03554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

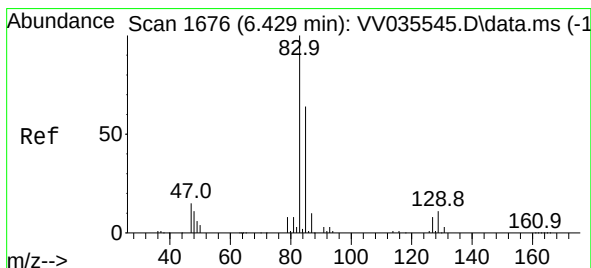
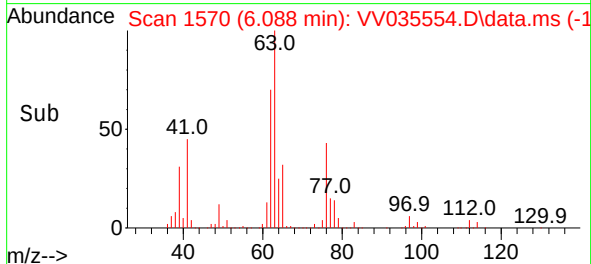
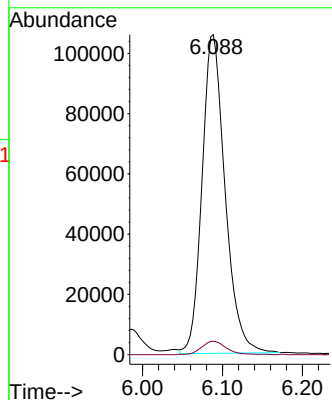
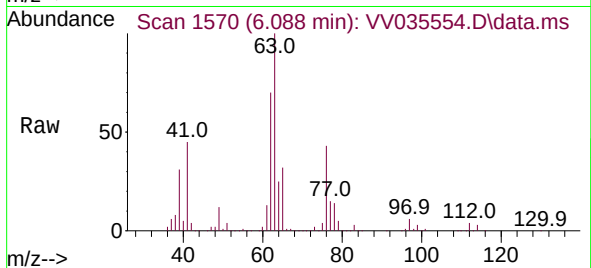
ClientSampleId :

Tgt Ion: 63 Resp: 211930

Ion Ratio Lower Upper

63 100

112 4.3 3.8 5.6



#38

Bromodichloromethane

Concen: 28.109 ug/L

RT: 6.426 min Scan# 1675

Delta R.T. -0.003 min

Lab File: VV03554.D

Acq: 08 May 2024 08:57

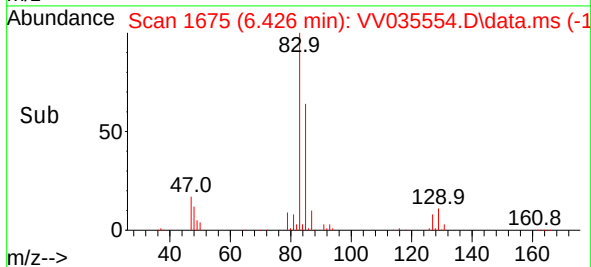
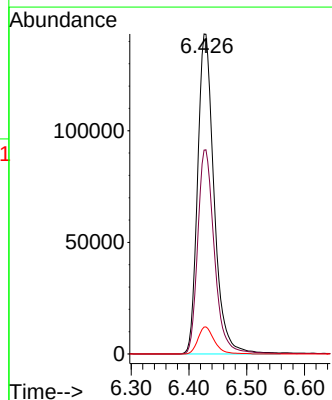
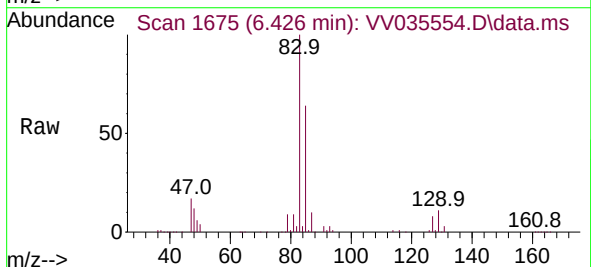
Tgt Ion: 83 Resp: 283989

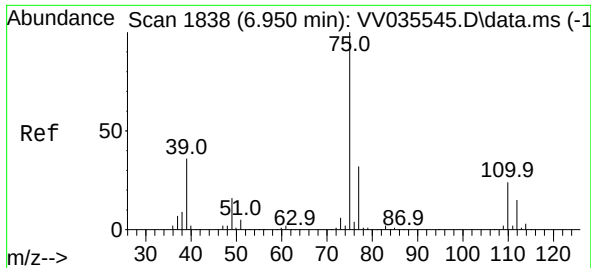
Ion Ratio Lower Upper

83 100

85 63.7 45.1 83.9

127 8.4 7.0 10.6

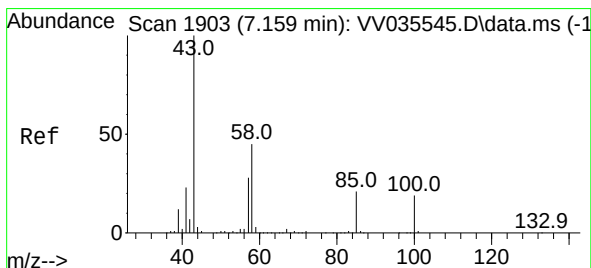
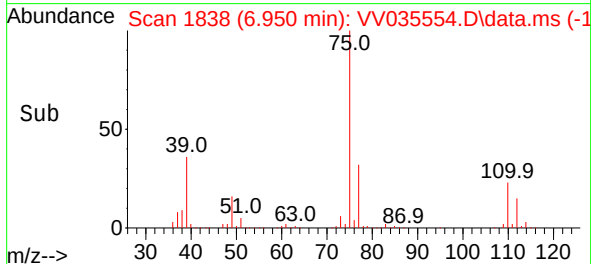
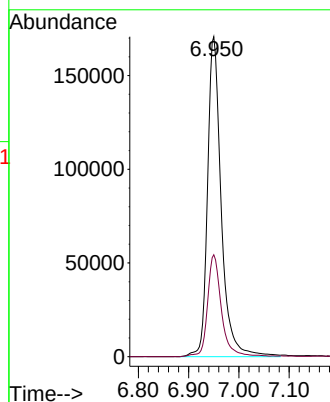
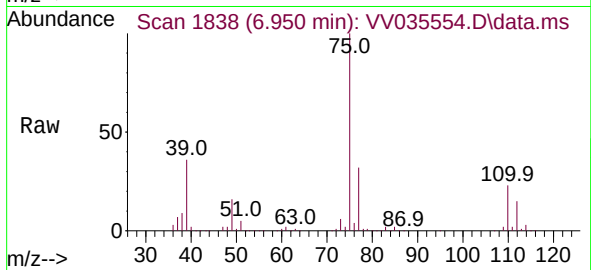




#39
 cis-1,3-Dichloropropene
 Concen: 27.739 ug/L
 RT: 6.950 min Scan# 1838
 Delta R.T. 0.000 min
 Lab File: VV035554.D
 Acq: 08 May 2024 08:57

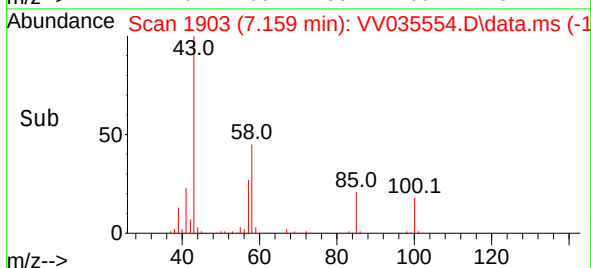
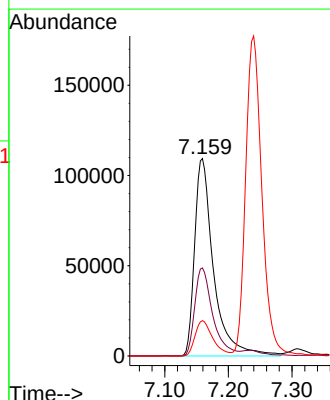
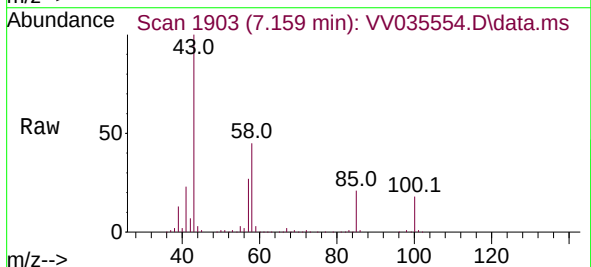
Instrument :
 MSVOA_V
 ClientSampleId :

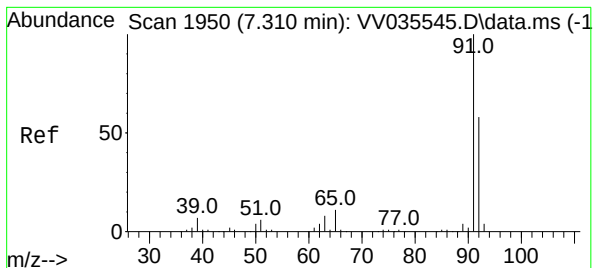
Tgt Ion: 75 Resp: 323570
 Ion Ratio Lower Upper
 75 100
 77 31.9 22.5 41.9



#40
 4-Methyl-2-pentanone
 Concen: 50.767 ug/L
 RT: 7.159 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VV035554.D
 Acq: 08 May 2024 08:57

Tgt Ion: 43 Resp: 226757
 Ion Ratio Lower Upper
 43 100
 58 42.3 34.8 52.2
 100 16.8 13.9 20.9





#42

Toluene

Concen: 28.748 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

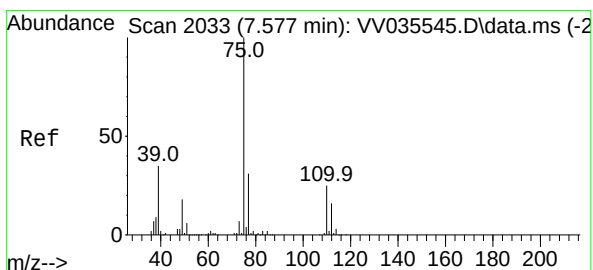
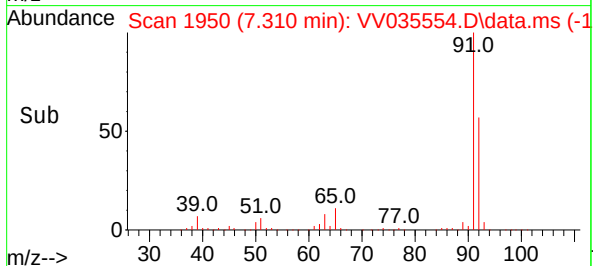
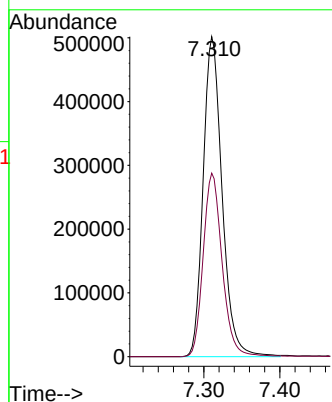
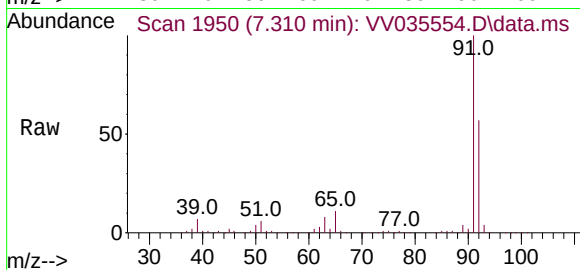
ClientSampleId :

Tgt Ion: 91 Resp: 869679

Ion Ratio Lower Upper

91 100

92 57.4 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 27.301 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV035554.D

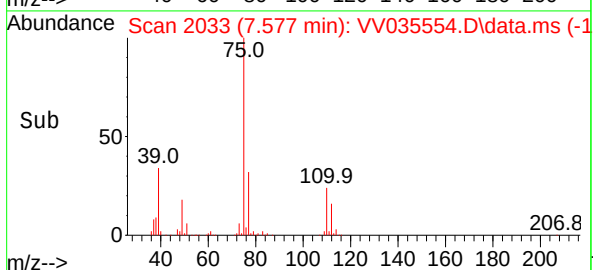
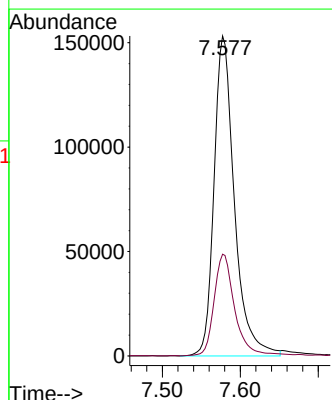
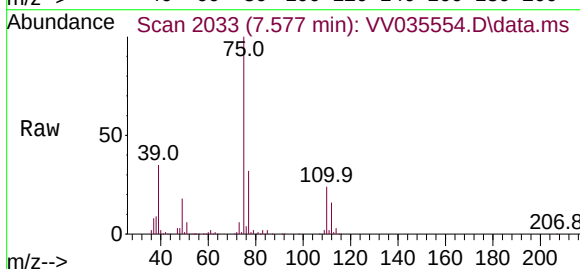
Acq: 08 May 2024 08:57

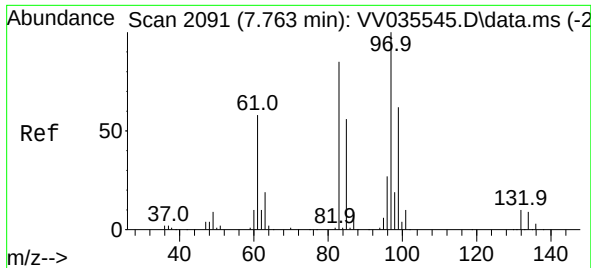
Tgt Ion: 75 Resp: 278588

Ion Ratio Lower Upper

75 100

77 31.8 22.4 41.6





#45

1,1,2-Trichloroethane

Concen: 27.249 ug/L

RT: 7.764 min Scan# 2091

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 97 Resp: 172676

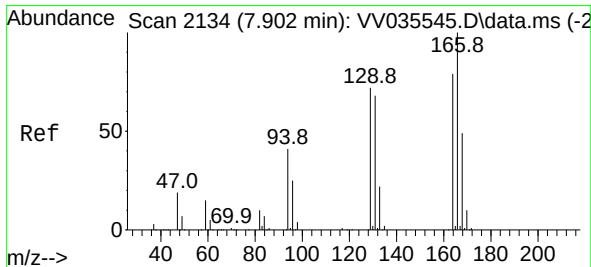
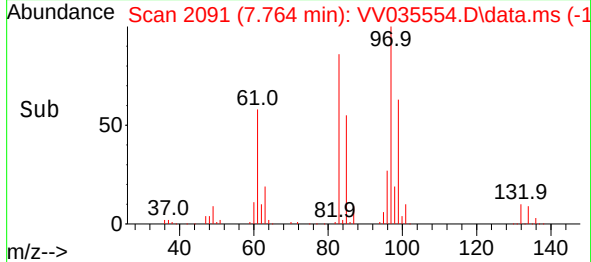
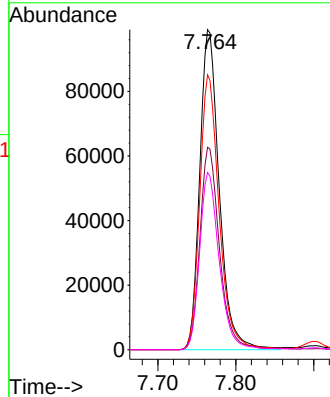
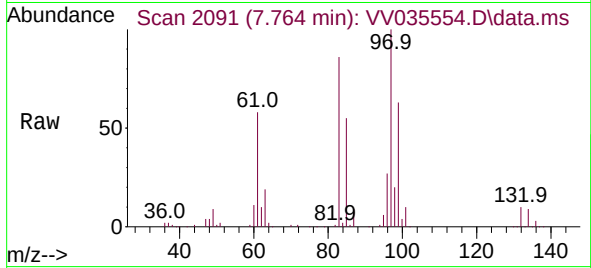
Ion Ratio Lower Upper

97 100

99 63.2 43.3 80.3

83 85.9 60.3 111.9

85 55.3 38.3 71.1



#46

Tetrachloroethene

Concen: 27.707 ug/L

RT: 7.902 min Scan# 2134

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Tgt Ion:164 Resp: 182011

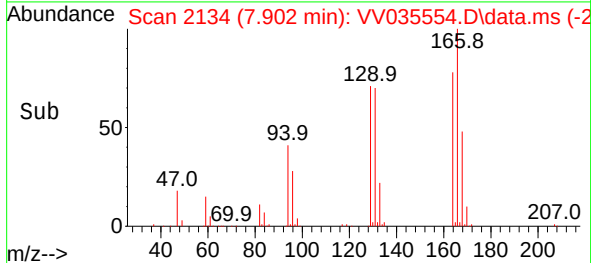
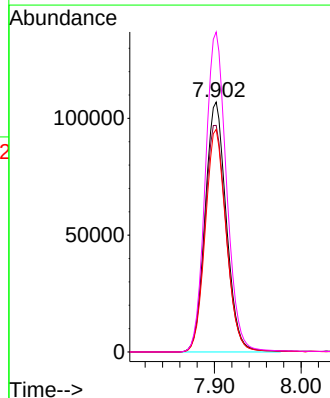
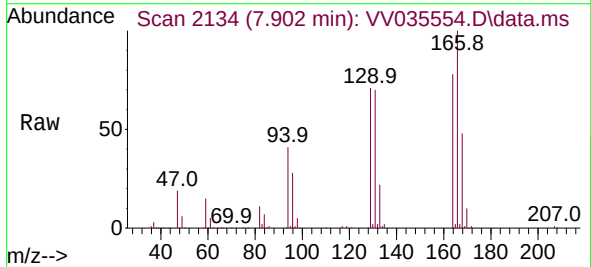
Ion Ratio Lower Upper

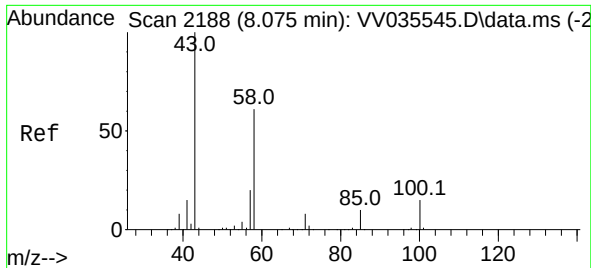
164 100

129 90.6 63.4 117.8

131 89.1 61.0 113.4

166 128.0 88.8 164.8

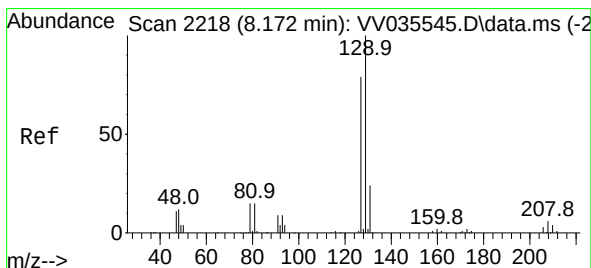
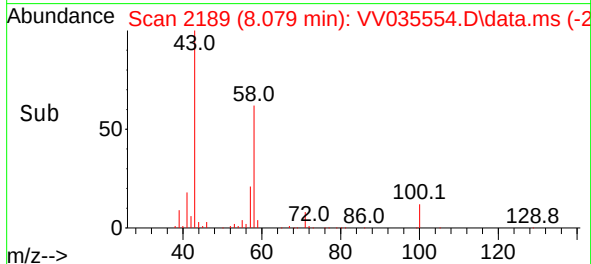
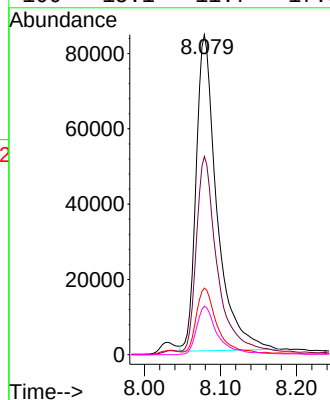
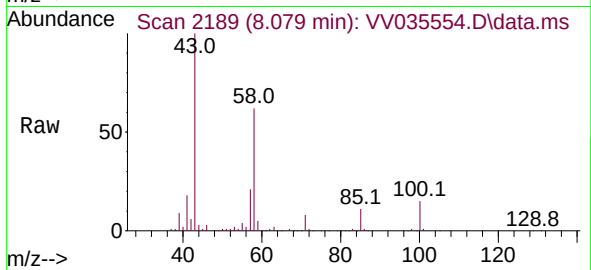




#48
2-Hexanone
Concen: 47.827 ug/L
RT: 8.079 min Scan# 2188
Delta R.T. 0.003 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

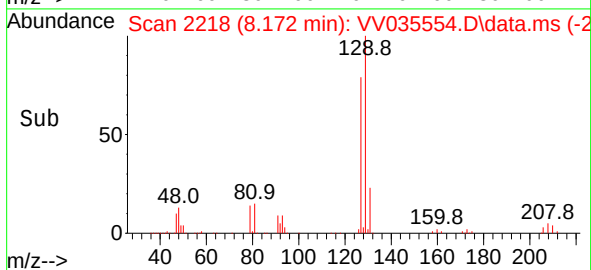
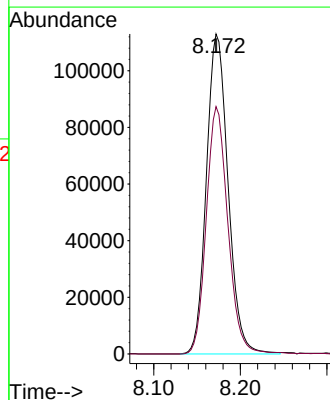
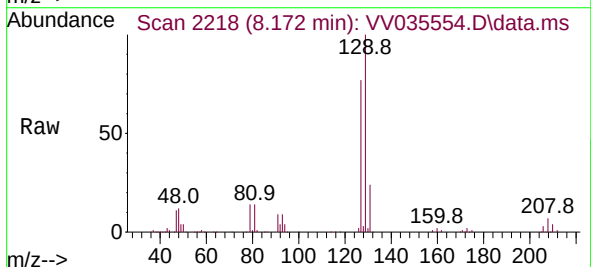
Instrument :
MSVOA_V
ClientSampleId :

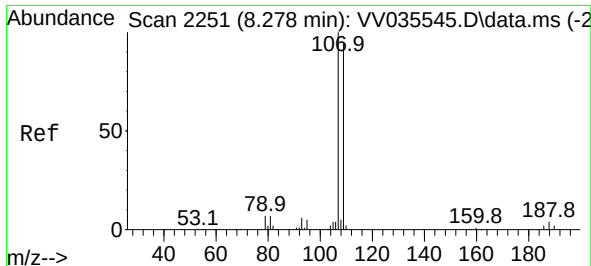
Tgt Ion: 43 Resp: 160170
Ion Ratio Lower Upper
43 100
58 62.2 48.8 73.2
57 20.2 16.9 25.3
100 15.1 11.7 17.5



#49
Dibromochloromethane
Concen: 27.514 ug/L
RT: 8.172 min Scan# 2218
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

Tgt Ion: 129 Resp: 196732
Ion Ratio Lower Upper
129 100
127 77.3 53.8 99.8





#50

1,2-Dibromoethane

Concen: 26.474 ug/L

RT: 8.278 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

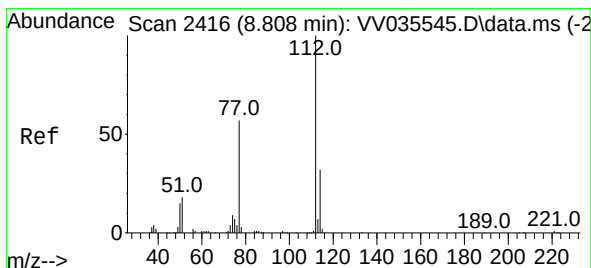
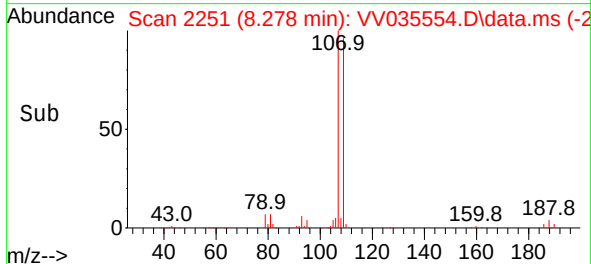
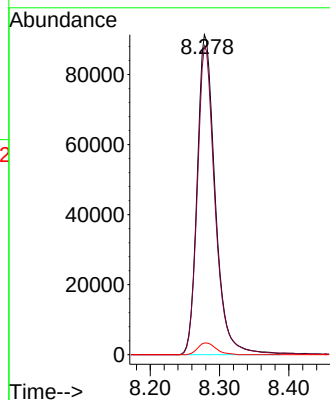
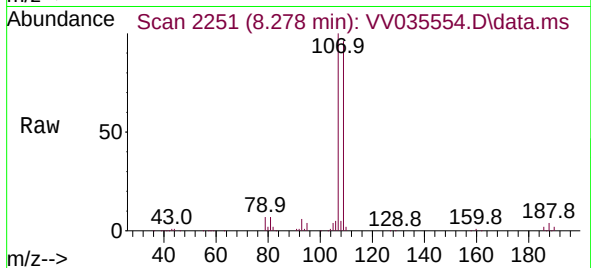
Tgt Ion:107 Resp: 165270

Ion Ratio Lower Upper

107 100

109 96.5 65.4 121.4

188 3.8 2.9 4.3



#51

Chlorobenzene

Concen: 27.090 ug/L

RT: 8.809 min Scan# 2416

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

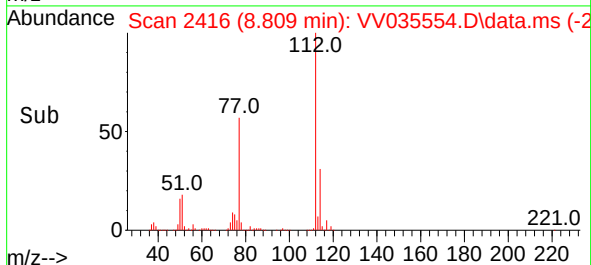
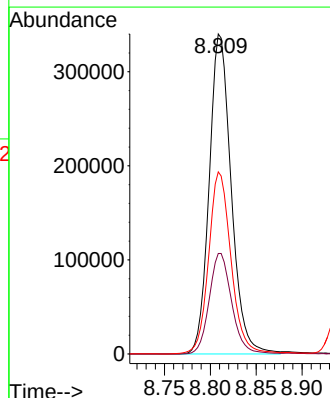
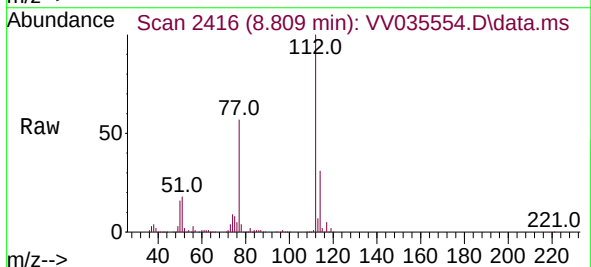
Tgt Ion:112 Resp: 568633

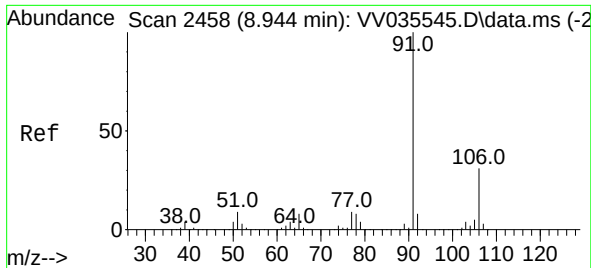
Ion Ratio Lower Upper

112 100

114 31.4 22.5 41.7

77 56.9 46.6 69.8

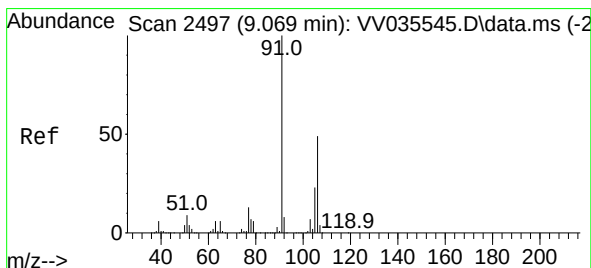
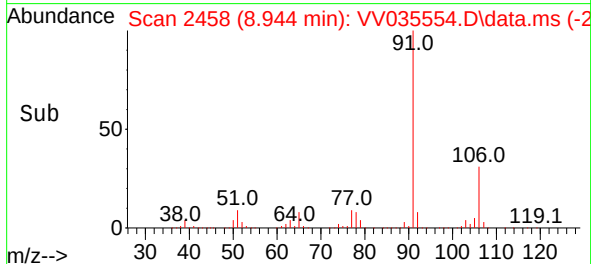
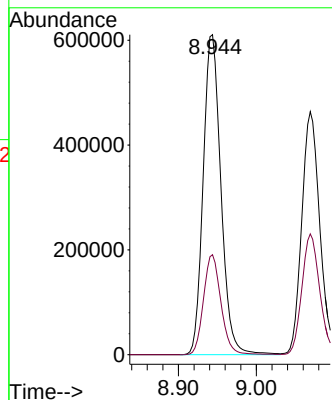
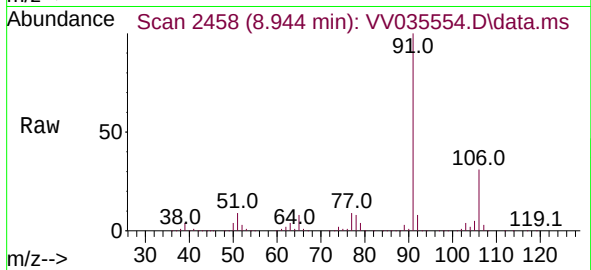




#52
Ethylbenzene
Concen: 28.975 ug/L
RT: 8.944 min Scan# 2458
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

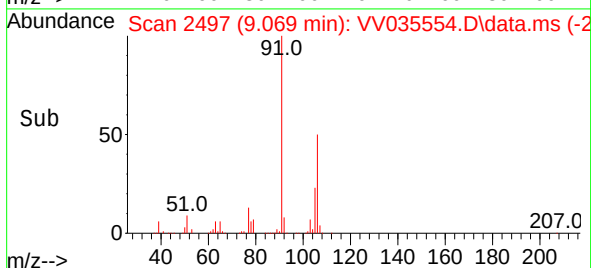
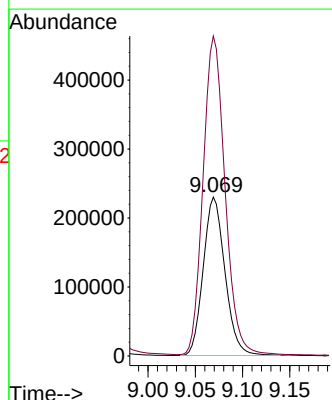
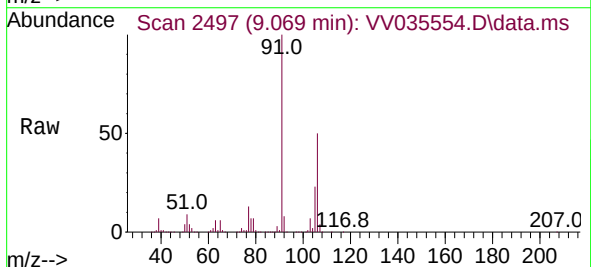
Instrument :
MSVOA_V
ClientSampleId :

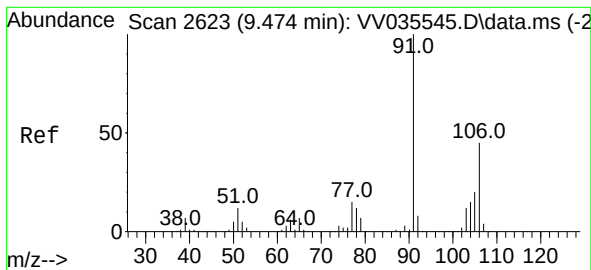
Tgt Ion: 91 Resp: 967792
Ion Ratio Lower Upper
91 100
106 31.2 21.7 40.3



#53
m,p-Xylene
Concen: 29.008 ug/L
RT: 9.069 min Scan# 2497
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

Tgt Ion: 106 Resp: 367594
Ion Ratio Lower Upper
106 100
91 201.3 142.7 264.9





#54

o-Xylene

Concen: 29.214 ug/L

RT: 9.474 min Scan# 2623

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

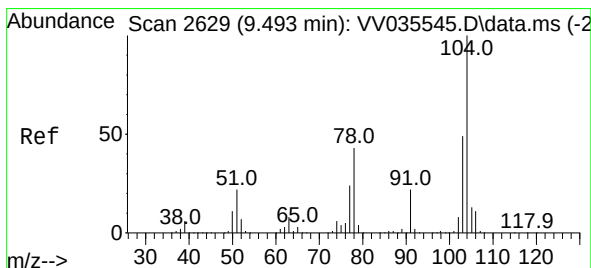
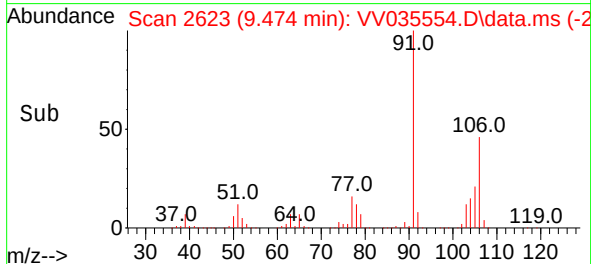
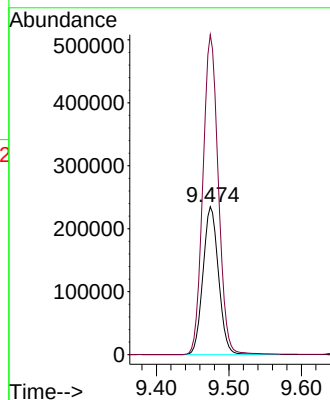
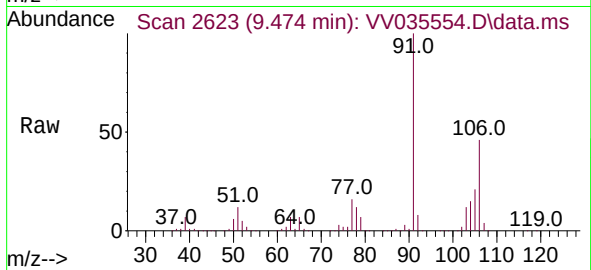
ClientSampleId :

Tgt Ion:106 Resp: 350872

Ion Ratio Lower Upper

106 100

91 216.2 150.9 280.3



#55

Styrene

Concen: 29.845 ug/L

RT: 9.493 min Scan# 2629

Delta R.T. 0.000 min

Lab File: VV035554.D

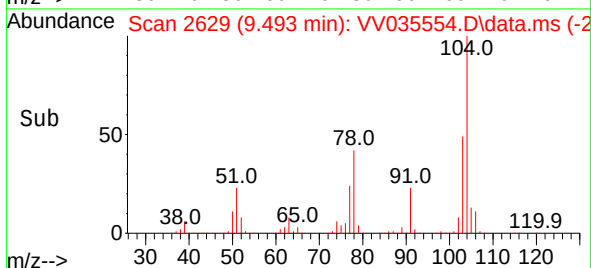
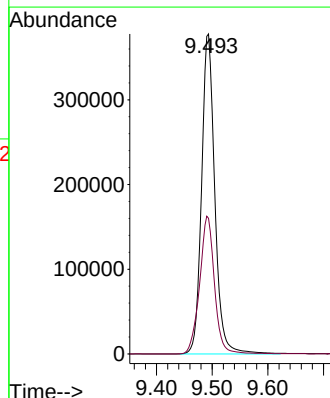
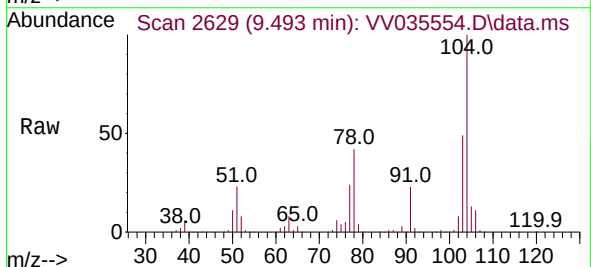
Acq: 08 May 2024 08:57

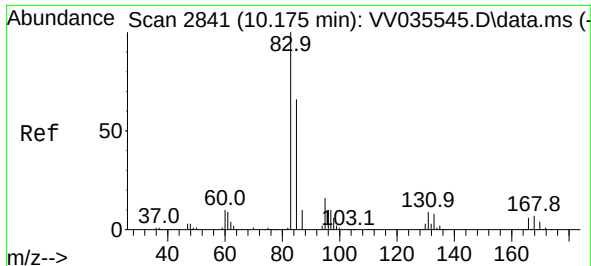
Tgt Ion:104 Resp: 625187

Ion Ratio Lower Upper

104 100

78 42.4 30.0 55.6

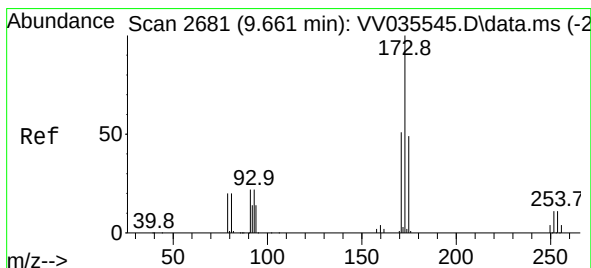
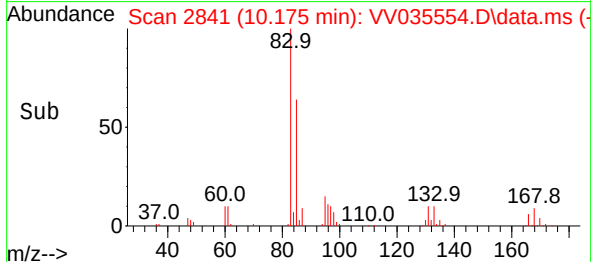
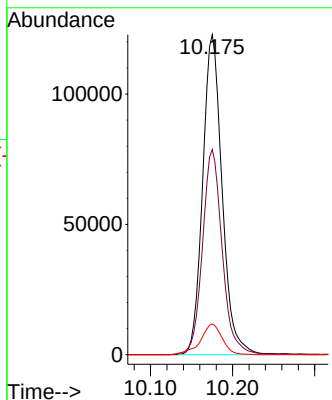
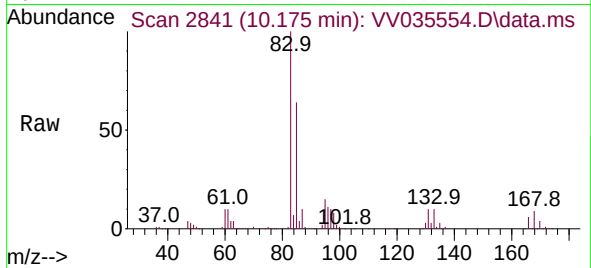




#57
1,1,2,2-Tetrachloroethane
Concen: 26.163 ug/L
RT: 10.175 min Scan# 2841
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

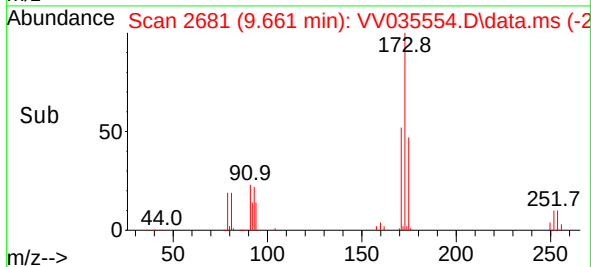
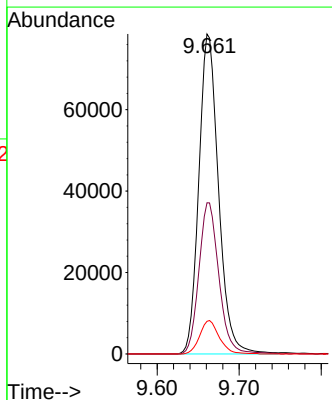
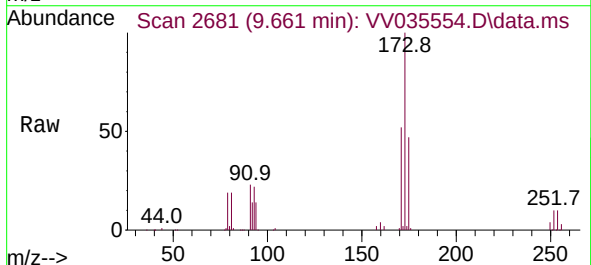
Instrument :
MSVOA_V
ClientSampleId :

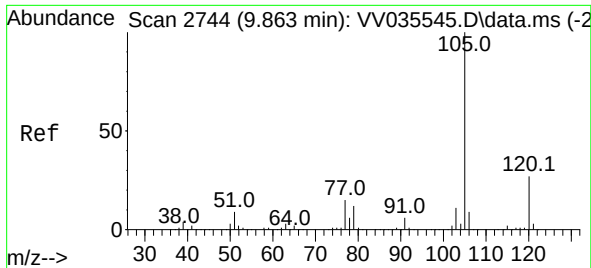
Tgt Ion: 83 Resp: 201955
Ion Ratio Lower Upper
83 100
85 64.1 44.7 83.1
131 9.6 8.0 12.0



#59
Bromoform
Concen: 26.621 ug/L
RT: 9.661 min Scan# 2681
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

Tgt Ion: 173 Resp: 131093
Ion Ratio Lower Upper
173 100
175 47.8 38.7 58.1
254 10.3 8.3 12.5

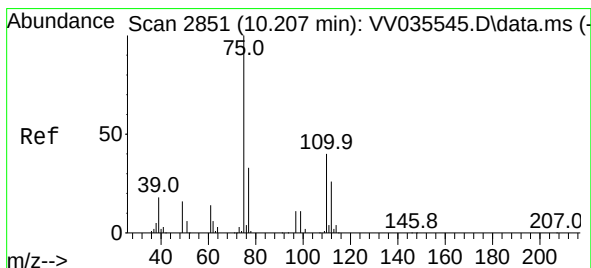
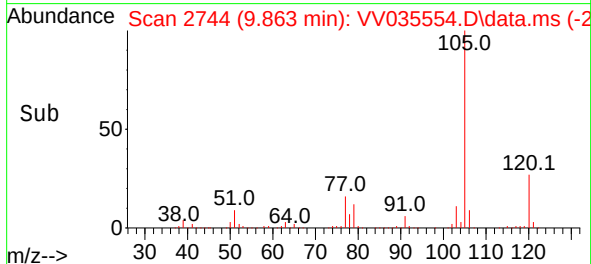
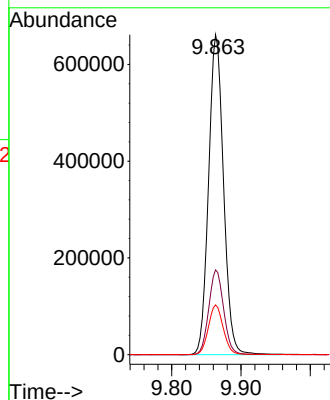
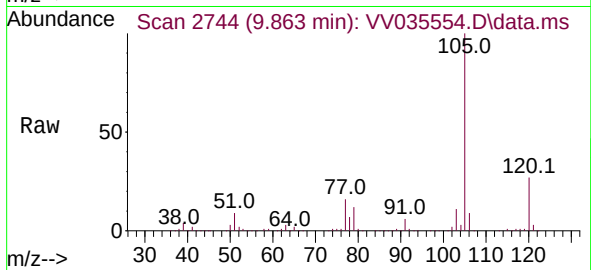




#60
Isopropylbenzene
Concen: 29.574 ug/L
RT: 9.863 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

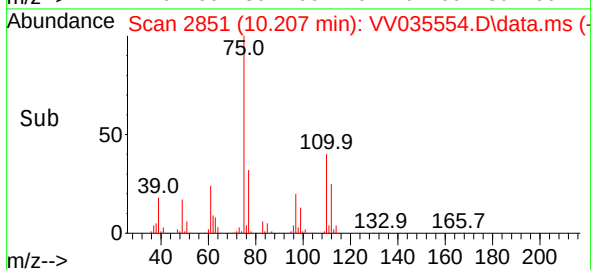
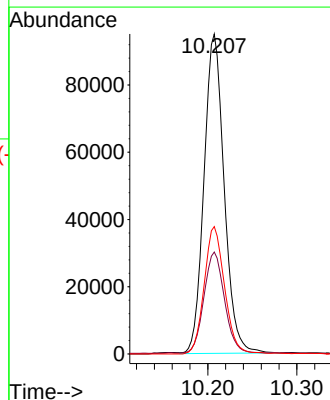
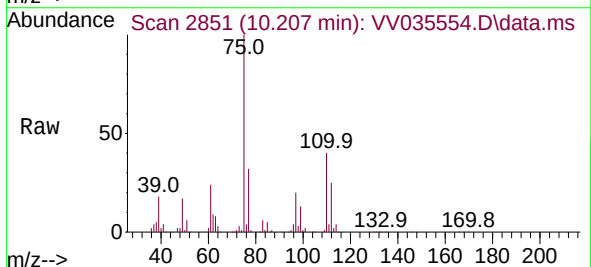
Instrument :
MSVOA_V
ClientSampleId :

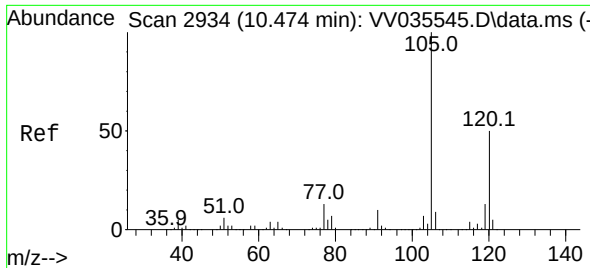
Tgt Ion:105 Resp: 987127
Ion Ratio Lower Upper
105 100
120 26.5 21.3 31.9
77 15.5 12.2 18.2



#61
1,2,3-Trichloropropane
Concen: 25.405 ug/L
RT: 10.207 min Scan# 2851
Delta R.T. 0.000 min
Lab File: VV035554.D
Acq: 08 May 2024 08:57

Tgt Ion: 75 Resp: 149174
Ion Ratio Lower Upper
75 100
77 32.3 25.7 38.5
110 40.1 31.8 47.8





#62

1,3,5-Trimethylbenzene

Concen: 30.424 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

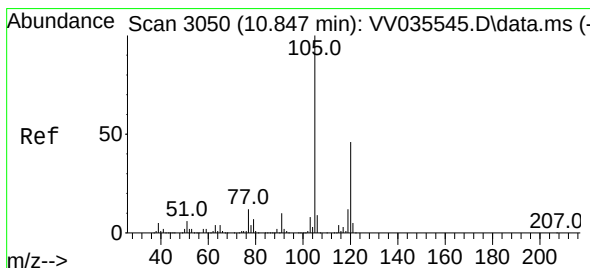
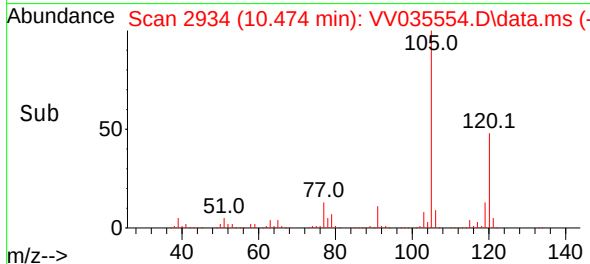
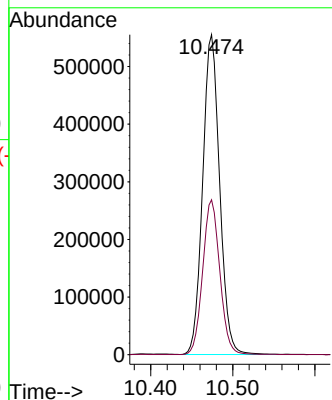
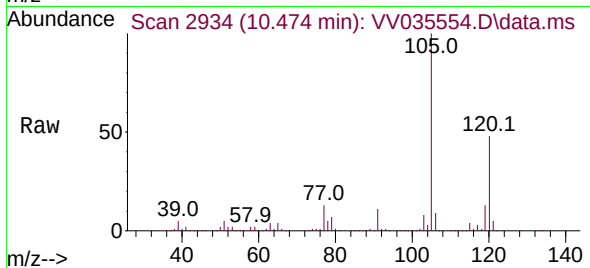
ClientSampleId :

Tgt Ion:105 Resp: 796640

Ion Ratio Lower Upper

105 100

120 48.7 39.4 59.0



#63

1,2,4-Trimethylbenzene

Concen: 29.273 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV035554.D

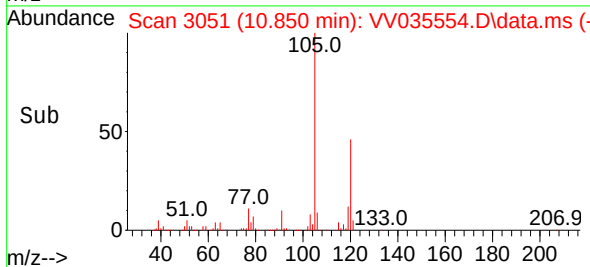
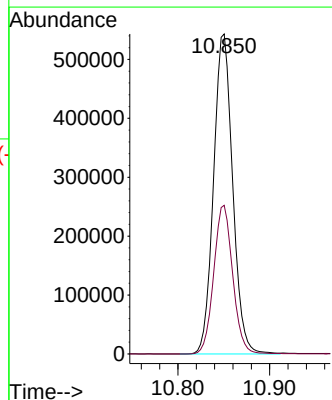
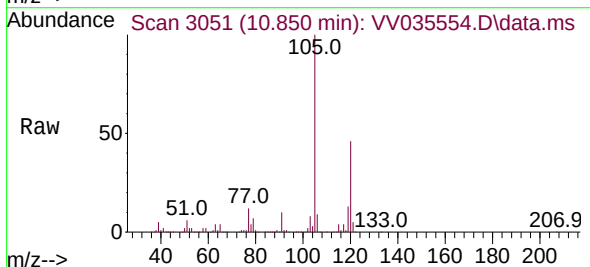
Acq: 08 May 2024 08:57

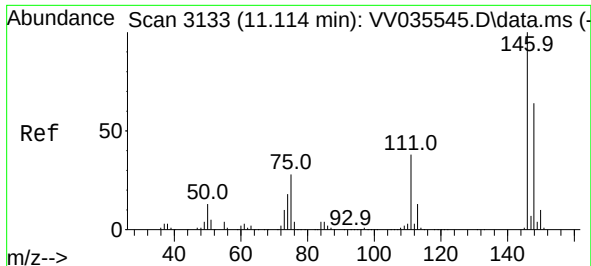
Tgt Ion:105 Resp: 787680

Ion Ratio Lower Upper

105 100

120 46.1 36.6 55.0





#64

1,3-Dichlorobenzene

Concen: 27.293 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

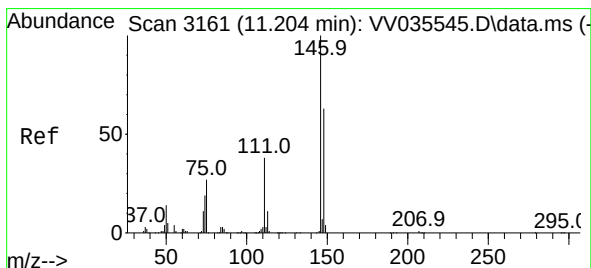
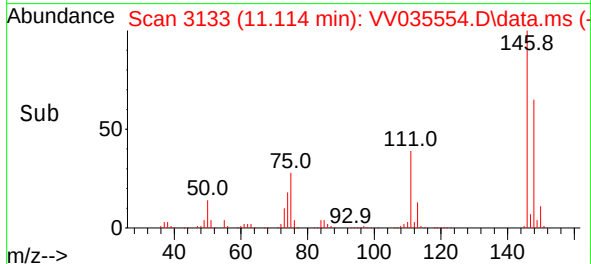
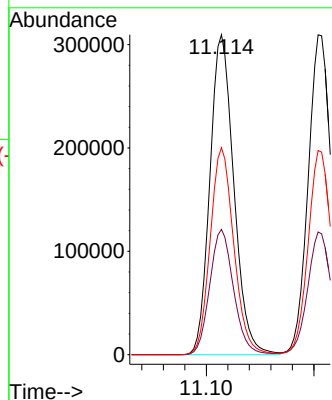
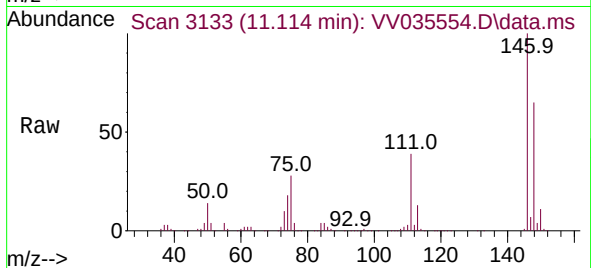
Tgt Ion:146 Resp: 478084

Ion Ratio Lower Upper

146 100

111 39.1 27.0 50.2

148 64.7 44.3 82.3



#65

1,4-Dichlorobenzene

Concen: 26.722 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

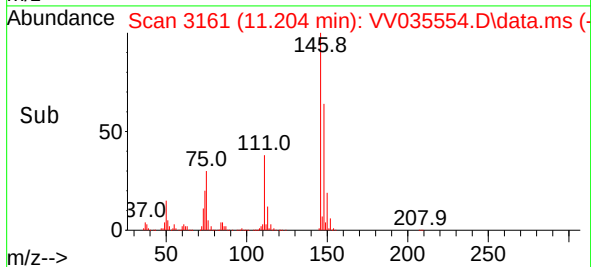
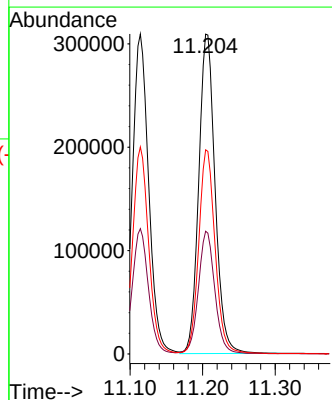
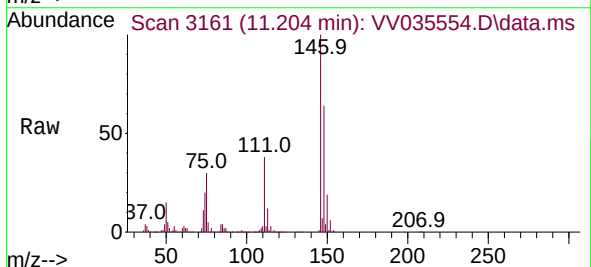
Tgt Ion:146 Resp: 484586

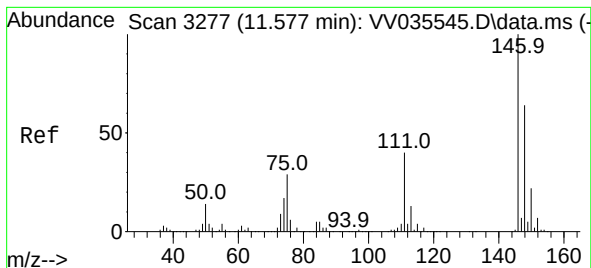
Ion Ratio Lower Upper

146 100

111 38.4 26.2 48.6

148 63.9 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 26.542 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

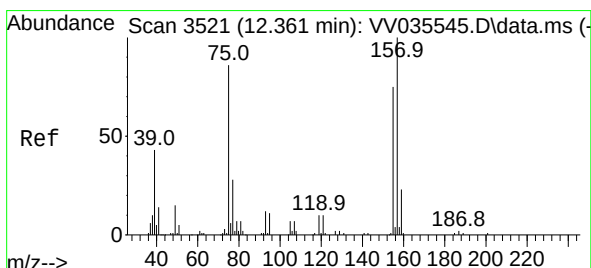
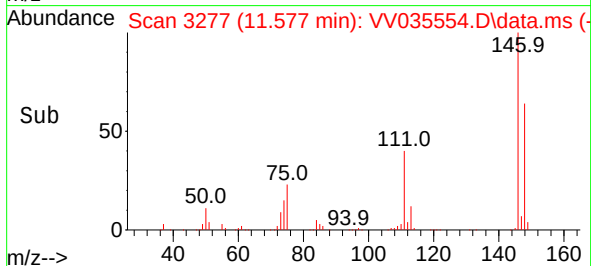
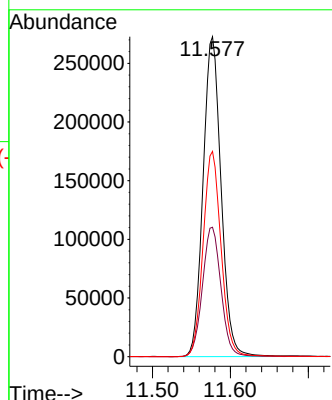
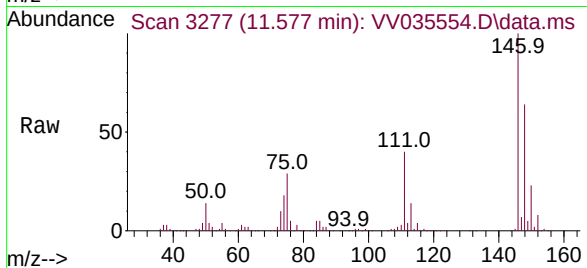
Tgt Ion:146 Resp: 437658

Ion Ratio Lower Upper

146 100

111 40.4 32.6 48.8

148 64.1 51.1 76.7



#68

1,2-Dibromo-3-chloropropane

Concen: 24.739 ug/L

RT: 12.362 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

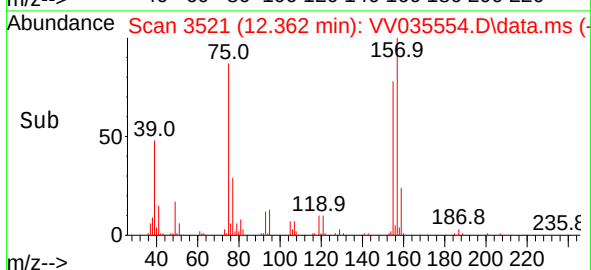
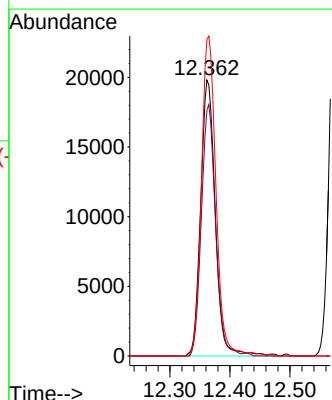
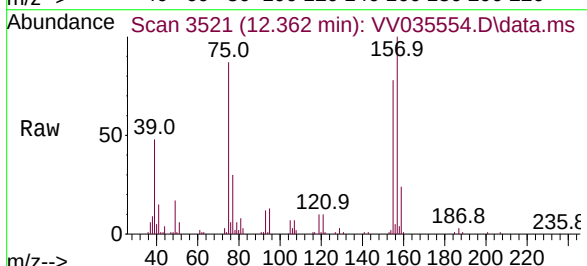
Tgt Ion: 75 Resp: 33689

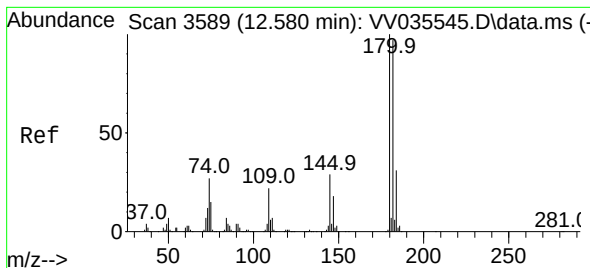
Ion Ratio Lower Upper

75 100

155 89.1 69.8 104.6

157 114.7 95.0 142.6





#69

1,3,5-Trichlorobenzene

Concen: 26.514 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

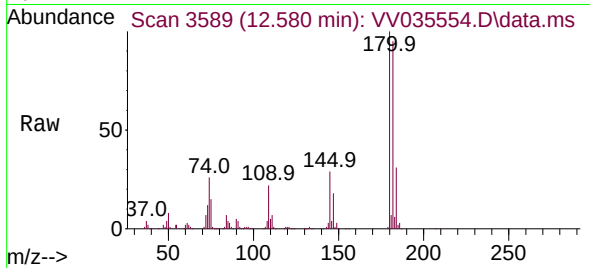
Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :



Tgt Ion:180 Resp: 362941

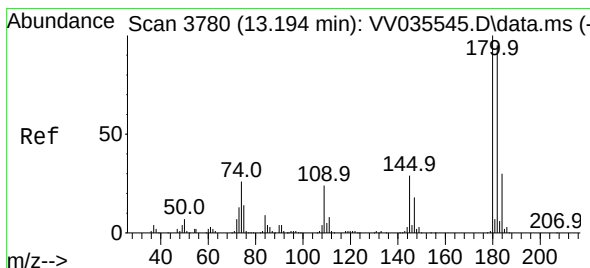
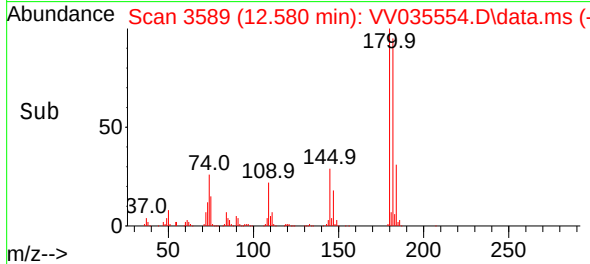
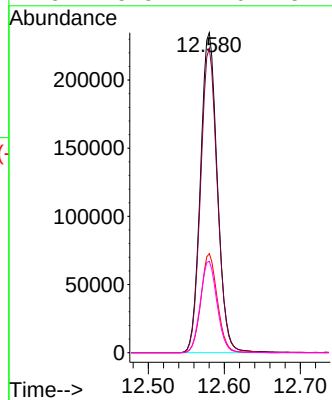
Ion Ratio Lower Upper

180 100

182 94.7 76.2 114.2

184 30.1 24.1 36.1

145 28.3 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 25.595 ug/L

RT: 13.194 min Scan# 3780

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

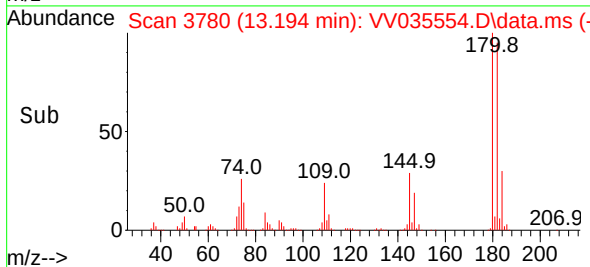
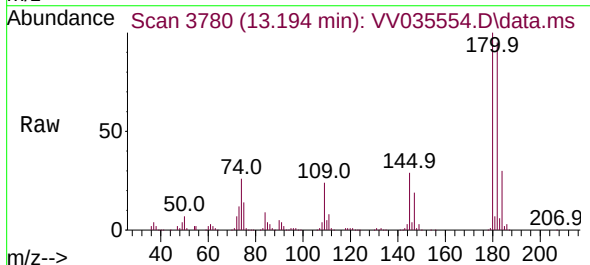
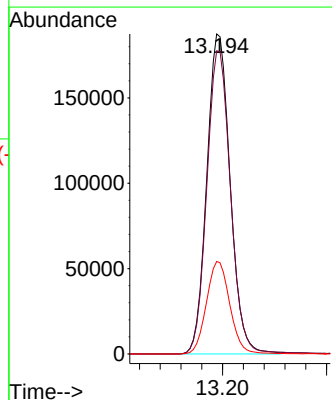
Tgt Ion:180 Resp: 292554

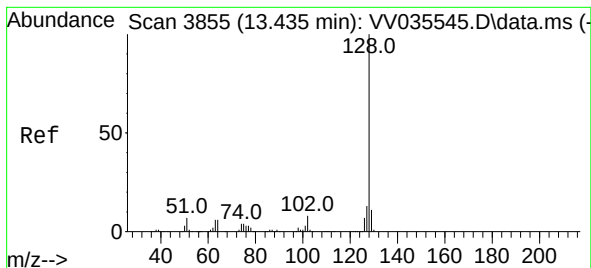
Ion Ratio Lower Upper

180 100

182 96.1 76.6 114.8

145 29.0 23.2 34.8





#71

Naphthalene

Concen: 22.507 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Instrument :

MSVOA_V

ClientSampleId :

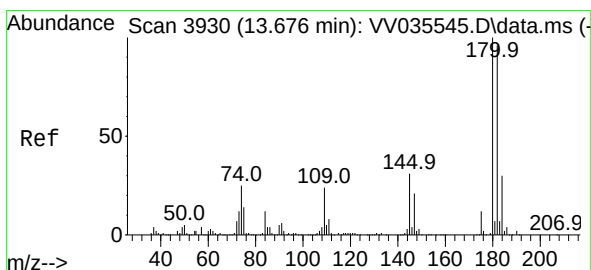
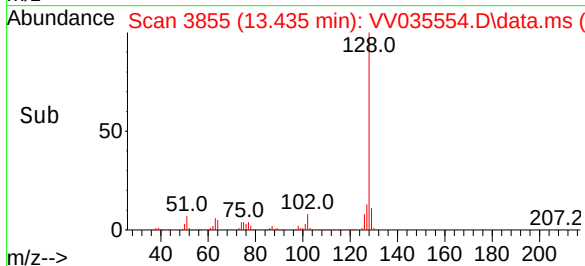
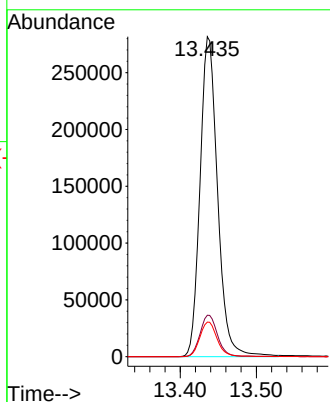
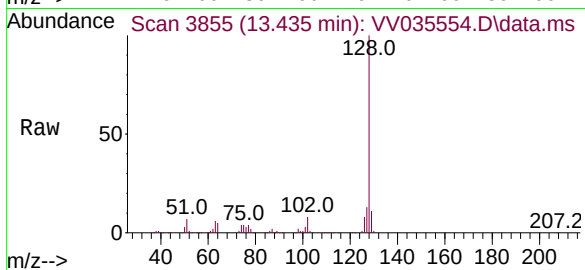
Tgt Ion:128 Resp: 451618

Ion Ratio Lower Upper

128 100

127 12.9 10.4 15.6

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 25.485 ug/L

RT: 13.677 min Scan# 3930

Delta R.T. 0.000 min

Lab File: VV035554.D

Acq: 08 May 2024 08:57

Tgt Ion:180 Resp: 262047

Ion Ratio Lower Upper

180 100

182 96.1 75.8 113.6

145 30.7 25.2 37.8

